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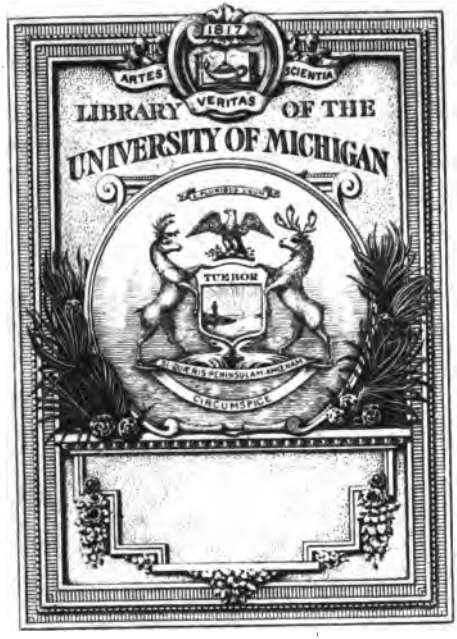
Fran.co Domingo y Mas
Coxmydella.



TABLAS

DE LOS

LOGARITHMOS

DE LOS

SENOS, TANGENTES, Y SECANTES,

SUPONIENDO EL RADIO DIVIDIDO

EN 10000000 DE PARTES.

BARCELONA
EN LA IMPRENTA DE ANTONIO BRUSI
AÑO 1814.

Minut.	(2) 0 Grados. Senos.	Tangentes.	Secantes.	Minut.	0 Grados. Senos.	Tangentes.	Secantes.
0	0	0	10.0000000	30	7.9408419	7.9408584	10.0000165
1	6.4637261	6.4637261	10.0000000	31	7.9550819	7.9550996	10.0000177
2	6.7647561	6.7647562	10.0000001	32	7.9688698	7.9688886	10.0000188
3	6.9408473	6.9408475	10.0000002	33	7.9822334	7.9822534	10.0000200
4	7.0657860	7.0657863	10.0000003	34	7.9951980	7.9952192	10.0000212
5	7.1626960	7.1626964	10.0000005	35	8.0077867	8.0078092	10.0000225
6	7.2418771	7.2418778	10.0000007	36	8.0200207	8.0200445	10.0000238
7	7.3088239	7.3088248	10.0000009	37	8.0319195	8.0319446	10.0000252
8	7.3668157	7.3668169	10.0000012	38	8.0435009	8.0435274	10.0000265
9	7.4179681	7.4179696	10.0000015	39	8.0548814	8.0548094	10.0000279
10	7.4637255	7.4637273	10.0000018	40	8.0657763	8.0658057	10.0000294
11	7.5051181	7.5051203	10.0000022	41	8.0764997	8.0765306	10.0000309
12	7.5429065	7.5429091	10.0000026	42	8.0869646	8.0869970	10.0000324
13	7.5776684	7.5776715	10.0000031	43	8.0971832	8.0972172	10.0000340
14	7.6098530	7.6098566	10.0000036	44	8.1071669	8.1072025	10.0000356
15	7.6398160	7.6398201	10.0000041	45	8.1169262	8.1169634	10.0000372
16	7.6678445	7.6678492	10.0000047	46	8.1264710	8.1265099	10.0000389
17	7.6941738	7.6941786	10.0000053	47	8.1358104	8.1358510	10.0000406
18	7.7189966	7.7190026	10.0000060	48	8.1449532	8.1449956	10.0000423
19	7.7424775	7.7424841	10.0000066	49	8.1539075	8.1539516	10.0000441
20	7.7647537	7.7647610	10.0000073	50	8.1626808	8.1627267	10.0000459
21	7.7859427	7.7859508	10.0000081	51	8.1712804	8.1713282	10.0000478
22	7.8061458	7.8061547	10.0000089	52	8.1797129	8.1797626	10.0000497
23	7.8254507	7.8254604	10.0000097	53	8.1879848	8.1880364	10.0000516
24	7.8439338	7.8439444	10.0000106	54	8.1961020	8.1961556	10.0000536
25	7.8616623	7.8616738	10.0000115	55	8.2040703	8.2041259	10.0000556
26	7.8786953	7.8787077	10.0000124	56	8.2118949	8.2119526	10.0000576
27	7.8950854	7.8950988	10.0000134	57	8.2195811	8.2196408	10.0000597
28	7.9108793	7.9108938	10.0000144	58	8.2271335	8.2271953	10.0000618
29	7.9261190	7.9261343	10.0000155	59	8.2345568	8.2346208	10.0000640
30	7.9408419	7.9408584	10.0000165	60	8.2418553	8.2419215	10.0000662

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Minut.	I. Grados. Senos.	Tangentes.	Secantes.	Minut.	I. Grados. Senos.	Tangentes.	Secantes.
0	8.2418553	8.2419215	10.0000662	30	8.4179190	8.4180679	10.0001488
1	8.2490332	8.2491015	10.0000684	31	8.4227168	8.4228690	10.0001522
2	8.2560943	8.2561649	10.0000706	32	8.4274621	8.4276176	10.0001555
3	8.2630424	8.2631153	10.0000729	33	8.4321561	8.4323150	10.0001589
4	8.2698810	8.2699563	10.0000753	34	8.4367999	8.4369622	10.0001624
5	8.2766136	8.2766912	10.0000776	35	8.4413944	8.4415603	10.0001658
6	8.2832434	8.2833234	10.0000800	36	8.4459409	8.4461103	10.0001694
7	8.2897734	8.2898559	10.0000825	37	8.4504402	8.4506131	10.0001729
8	8.2962067	8.2962917	10.0000850	38	8.4548934	8.4550699	10.0001765
9	8.3025460	8.3026335	10.0000875	39	8.4593013	8.4594814	10.0001801
10	8.3087941	8.3088842	10.0000900	40	8.4636649	8.4638486	10.0001838
11	8.3149536	8.3150462	10.0000926	41	8.4679850	8.4681725	10.0001875
12	8.3210269	8.3211221	10.0000953	42	8.4722626	8.4724538	10.0001912
13	8.3270163	8.3271143	10.0000979	43	8.4764984	8.4766933	10.0001950
14	8.3329243	8.3330249	10.0001006	44	8.4806932	8.4808920	10.0001988
15	8.3387529	8.3388563	10.0001034	45	8.4848479	8.4850505	10.0002026
16	8.3445043	8.3446105	10.0001061	46	8.4889632	8.4891696	10.0002065
17	8.3501805	8.3502895	10.0001089	47	8.4930398	8.4932502	10.0002104
18	8.3557835	8.3558953	10.0001118	48	8.4970784	8.4972928	10.0002144
19	8.3613150	8.3614297	10.0001147	49	8.5010798	8.5012982	10.0002183
20	8.3667769	8.3668945	10.0001176	50	8.5050447	8.5052671	10.0002224
21	8.3721710	8.3722915	10.0001206	51	8.5089736	8.5092001	10.0002264
22	8.3774988	8.3776223	10.0001236	52	8.5128673	8.5130978	10.0002305
23	8.3827620	8.3828886	10.0001266	53	8.5167264	8.5169610	10.0002347
24	8.3879622	8.3880918	10.0001297	54	8.5205514	8.5207902	10.0002388
25	8.3931008	8.3932336	10.0001328	55	8.5243430	8.5245860	10.0002430
26	8.3981793	8.3983152	10.0001359	56	8.5281017	8.5283490	10.0002473
27	8.4031990	8.4033381	10.0001391	57	8.5318281	8.5320797	10.0002516
28	8.4081614	8.4083037	10.0001423	58	8.5355228	8.5357787	10.0002559
29	8.4130676	8.4132132	10.0001456	59	8.5391863	8.5394466	10.0002602
30	8.4179190	8.4180679	10.0001488	60	8.5428192	8.5430838	10.0002646

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2 Grados.			Minut.	2 Grados.		
Senos.	Tangentes.	Secantes.		Senos.	Tangentes.	Secantes.
8.5428192	8.5430838	10.0002646	30	8.6396796	8.6400931	10.0004135
8.5464218	8.5466909	10.0002691	31	8.6425634	8.6429825	10.0004191
8.5499948	8.5502683	10.0002735	32	8.6454282	8.6458528	10.0004247
8.5535386	8.5538166	10.0002780	33	8.6482742	8.6487044	10.0004303
8.5570536	8.5573362	10.0002826	34	8.6511016	8.6515375	10.0004359
8.5605404	8.5608276	10.0002872	35	8.6539107	8.6543522	10.0004416
8.5639994	8.5642912	10.0002918	36	8.6567017	8.6571490	10.0004473
8.5674310	8.5677275	10.0002964	37	8.6594748	8.6599279	10.0004531
8.5708357	8.5711368	10.0003011	38	8.6622303	8.6626891	10.0004589
8.5742139	8.5745197	10.0003058	39	8.6649684	8.6654331	10.0004647
8.5775660	8.5778766	10.0003106	40	8.6676893	8.6681598	10.0004705
8.5808923	8.5812077	10.0003154	41	8.6703932	8.6708697	10.0004764
8.5841933	8.5845136	10.0003202	42	8.6730804	8.6735628	10.0004824
8.5874694	8.5877945	10.0003251	43	8.6757510	8.6762393	10.0004884
8.5907209	8.5910509	10.0003300	44	8.6784052	8.6788996	10.0004944
8.5939483	8.5942832	10.0003350	45	8.6810433	8.6815437	10.0005004
8.5971517	8.5974917	10.0003399	46	8.6836654	8.6841719	10.0005065
8.6003317	8.6006767	10.0003450	47	8.6862718	8.6867844	10.0005126
8.6034886	8.6038386	10.0003500	48	8.6888625	8.6893813	10.0005188
8.6066226	8.6069777	10.0003551	49	8.6914379	8.6919629	10.0005250
8.6097341	8.6100943	10.0003602	50	8.6939980	8.6945292	10.0005312
8.6128235	8.6131889	10.0003654	51	8.6965431	8.6970806	10.0005375
8.6158910	8.6162616	10.0003706	52	8.6990734	8.6996172	10.0005438
8.6189369	8.6193127	10.0003758	53	8.7015889	8.7021390	10.0005502
8.6219616	8.6223427	10.0003811	54	8.7040899	8.7046465	10.0005565
8.6249653	8.6253518	10.0003864	55	8.7065766	8.7071395	10.0005630
8.6279484	8.6283402	10.0003918	56	8.7090490	8.7096185	10.0005694
8.6309111	8.6313083	10.0003972	57	8.7115075	8.7120834	10.0005759
8.6338537	8.6342563	10.0004026	58	8.7139520	8.7145345	10.0005824
8.6367764	8.6371845	10.0004081	59	8.7163829	8.7169719	10.0005890
8.6396796	8.6400931	10.0004135	60	8.7188002	8.7193958	10.0005956

Minut.	3 Grados. Senos.	Tangentes.	Secantes.	Minut.	3 Grados. Senos.	Tangentes.	Secantes.
0	8.7188002	8.7193958	10.0005956	30	8.7856753	8.7864861	10.0008108
1	8.7212040	8.7218063	10.0006022	31	8.7877359	8.7885544	10.0008185
2	8.7235946	8.7242035	10.0006089	32	8.7897667	8.7906130	10.0008263
3	8.7259721	8.7265877	10.0006156	33	8.7918278	8.7926620	10.0008341
4	8.7283366	8.7289589	10.0006224	34	8.7938594	8.7947014	10.0008420
5	8.7306882	8.7313174	10.0006292	35	8.7958814	8.7967313	10.0008499
6	8.7330272	8.7336631	10.0006360	36	8.7978941	8.7987519	10.0008578
7	8.7353535	8.7359964	10.0006428	37	8.7998974	8.8007632	10.0008658
8	8.7376675	8.7383172	10.0006497	38	8.8018915	8.8027653	10.0008738
9	8.7399691	8.7406258	10.0006567	39	8.8038764	8.8047583	10.0008818
10	8.7422586	8.7429222	10.0006636	40	8.8058523	8.8067422	10.0008899
11	8.7445360	8.7452067	10.0006707	41	8.8078192	8.8087172	10.0008980
12	8.7468015	8.7474792	10.0006777	42	8.8097772	8.8106834	10.0009062
13	8.7490553	8.7497400	10.0006848	43	8.8117264	8.8126407	10.0009144
14	8.7512973	8.7519892	10.0006919	44	8.8136668	8.8145894	10.0009226
15	8.7535278	8.7542269	10.0006991	45	8.8155985	8.8165294	10.0009309
16	8.7557469	8.7564531	10.0007062	46	8.8175217	8.8184608	10.0009392
17	8.7579546	8.7586681	10.0007135	47	8.8194363	8.8203838	10.0009475
18	8.7601512	8.7608719	10.0007207	48	8.8213425	8.8222984	10.0009559
19	8.7623366	8.7630647	10.0007280	49	8.8232404	8.8242046	10.0009643
20	8.7645111	8.7652465	10.0007354	50	8.8251299	8.8261026	10.0009727
21	8.7666747	8.7674175	10.0007428	51	8.8270112	8.8279924	10.0009812
22	8.7688275	8.7695777	10.0007502	52	8.8288844	8.8298741	10.0009897
23	8.7709697	8.7717274	10.0007576	53	8.8307495	8.8317478	10.0009983
24	8.7731014	8.7738665	10.0007651	54	8.8326066	8.8336134	10.0010069
25	8.7752226	8.7759952	10.0007726	55	8.8344557	8.8354712	10.0010155
26	8.7773334	8.7781136	10.0007802	56	8.8362969	8.8373211	10.0010242
27	8.7794340	8.7802218	10.0007878	57	8.8381304	8.8391633	10.0010329
28	8.7815244	8.7823199	10.0007954	58	8.8399561	8.8409977	10.0010416
29	8.7836048	8.7844079	10.0008031	59	8.8417741	8.8428245	10.0010504
30	8.7856753	8.7864861	10.0008108	60	8.8435845	8.8446437	10.0010592

Minut.	(6) 4 Grados. Senos.	Tangentes.	Secantes.	Minut.	4 Grados. Senos.	Tangentes.	Secantes.
0	8.8435845	8.8446437	10.0010592	30	8.8946433	8.8959842	10.0013409
1	8.8453874	8.8464554	10.0010681	31	8.8962455	8.8975963	10.0013508
2	8.8471827	8.8482597	10.0010770	32	8.8978418	8.8992026	10.0013608
3	8.8489707	8.8500566	10.0010859	33	8.8994322	8.9008030	10.0013708
4	8.8507512	8.8518461	10.0010948	34	8.9010168	8.9023977	10.0013809
5	8.8525245	8.8536283	10.0011038	35	8.9025955	8.9039866	10.0013910
6	8.8542905	8.8554034	10.0011129	36	8.9041685	8.9055697	10.0014012
7	8.8560493	8.8571713	10.0011220	37	8.9057358	8.9071472	10.0014114
8	8.8577010	8.8589321	10.0011311	38	8.9072975	8.9087190	10.0014216
9	8.8595457	8.8606859	10.0011402	39	8.9088535	8.9102853	10.0014318
10	8.8612833	8.8624327	10.0011494	40	8.9104039	8.9118460	10.0014421
11	8.8630139	8.8641725	10.0011586	41	8.9119487	8.9134012	10.0014525
12	8.8647376	8.8659055	10.0011679	42	8.9134881	8.9149509	10.0014628
13	8.8664545	8.8676317	10.0011772	43	8.9150219	8.9164952	10.0014732
14	8.8681646	8.8693511	10.0011865	44	8.9165504	8.9180340	10.0014837
15	8.8698680	8.8710638	10.0011959	45	8.9180734	8.9195675	10.0014942
16	8.8715646	8.8727699	10.0012053	46	8.9195911	8.9210957	10.0015047
17	8.8732546	8.8744694	10.0012147	47	8.9211034	8.9226186	10.0015152
18	8.8749381	8.8761623	10.0012242	48	8.9226105	8.9241363	10.0015258
19	8.8766150	8.8778487	10.0012337	49	8.9241123	8.9256487	10.0015364
20	8.8782854	8.8795286	10.0012433	50	8.9256089	8.9271560	10.0015471
21	8.8799493	8.8812022	10.0012529	51	8.9271003	8.9286581	10.0015578
22	8.8816069	8.8828694	10.0012625	52	8.9285866	8.9301552	10.0015685
23	8.8832581	8.8845303	10.0012722	53	8.9300678	8.9316471	10.0015793
24	8.8849031	8.8861850	10.0012819	54	8.9315439	8.9331340	10.0015901
25	8.8865418	8.8878334	10.0012916	55	8.9330150	8.9346160	10.0016010
26	8.8881743	8.8894757	10.0013014	56	8.9344811	8.9360929	10.0016119
27	8.8898007	8.8911119	10.0013112	57	8.9359422	8.9375650	10.0016228
28	8.8914209	8.8927420	10.0013210	58	8.9373983	8.9390321	10.0016337
29	8.8930351	8.8943660	10.0013309	59	8.9388496	8.9404944	10.0016447
30	8.8946433	8.8959842	10.0013409	60	8.9402960	8.9419518	10.0016558

Minut.	5 Grados. Senos.	Tangentes.	Secantes.	Minut.	5 Grados. Senos.	Tangentes.	Secantes.
0	8.9402960	8.9419518	10.0016558	30	8.9815729	8.9835769	10.0020040
1	8.9417376	8.9434044	10.0016668	31	8.9828829	8.9848991	10.0020162
2	8.9431743	8.9448523	10.0016780	32	8.9841889	8.9862173	10.0020284
3	8.9446063	8.9462954	10.0016891	33	8.9854910	8.9875317	10.0020407
4	8.9460335	8.9477338	10.0017003	34	8.9867891	8.9888421	10.0020530
5	8.9474561	8.9491676	10.0017115	35	8.9880834	8.9901487	10.0020653
6	8.9488739	8.9505967	10.0017228	36	8.9893737	8.9914514	10.0020777
7	8.9502871	8.9520211	10.0017340	37	8.9906602	8.9927503	10.0020901
8	8.9516957	8.9534410	10.0017454	38	8.9919429	8.9940454	10.0021025
9	8.9530996	8.9548564	10.0017567	39	8.9932217	8.9953367	10.0021150
10	8.9544991	8.9562672	10.0017682	40	8.9944968	8.9966243	10.0021275
11	8.9558940	8.9576735	10.0017796	41	8.9957681	8.9979081	10.0021401
12	8.9572843	8.9590754	10.0017911	42	8.9970356	8.9991883	10.0021527
13	8.9586703	8.9604728	10.0018026	43	8.9982994	9.0004647	10.0021653
14	8.9600517	8.9618659	10.0018141	44	8.9995595	9.0017375	10.0021780
15	8.9614288	8.9632545	10.0018257	45	9.0008160	9.0030066	10.0021907
16	8.9628014	8.9646388	10.0018374	46	9.0020687	9.0042721	10.0022034
17	8.9641697	8.9660188	10.0018490	47	9.0033179	9.0055340	10.0022162
18	8.9655337	8.9673944	10.0018607	48	9.0045634	9.0067924	10.0022290
19	8.9668934	8.9687658	10.0018725	49	9.0058053	9.0080471	10.0022418
20	8.9682487	8.9701330	10.0018842	50	9.0070436	9.0092984	10.0022547
21	8.9695999	8.9714959	10.0018960	51	9.0082784	9.0105461	10.0022677
22	8.9709468	8.9728547	10.0019079	52	9.0095096	9.0117903	10.0022806
23	8.9722895	8.9742092	10.0019198	53	9.0107374	9.0130310	10.0022936
24	8.9736280	8.9755597	10.0019317	54	9.0119616	9.0142682	10.0023067
25	8.9749624	8.9769060	10.0019437	55	9.0131823	9.0155021	10.0023197
26	8.9762926	8.9782483	10.0019557	56	9.0143996	9.0167325	10.0023328
27	8.9776188	8.9795865	10.0019677	57	9.0156135	9.0179594	10.0023460
28	8.9789408	8.9809206	10.0019798	58	9.0168239	9.0191831	10.0023592
29	8.9802589	8.9822507	10.0019919	59	9.0180309	9.0204033	10.0023724
30	8.9815729	8.9835769	10.0020040	60	9.0192346	9.0216202	10.0023857

Minut.	(8) 6 Grados. Senos.	Tangentes.	Secantes.	Minut.	6 Grados. Senos.	Tangentes.	Secantes.
0	9.0192346	9.0216202	10.0023857	30	9.0538583	9.0566595	10.0028007
1	9.0204348	9.0228338	10.0023989	31	9.0549661	9.0577813	10.0028151
2	9.0216318	9.0240441	10.0024123	32	9.0560706	9.0589002	10.0028296
3	9.0228254	9.0252510	10.0024257	33	9.0571723	9.0600164	10.0028441
4	9.0240157	9.0264548	10.0024391	34	9.0582711	9.0611297	10.0028586
5	9.0252027	9.0276552	10.0024525	35	9.0593672	9.0622403	10.0028732
6	9.0263865	9.0288524	10.0024660	36	9.0604604	9.0633482	10.0028878
7	9.0275669	9.0300464	10.0024795	37	9.0615509	9.0644533	10.0029024
8	9.0287442	9.0312373	10.0024931	38	9.0626386	9.0655556	10.0029171
9	9.0299182	9.0324249	10.0025067	39	9.0637235	9.0666553	10.0029318
10	9.0310890	9.0336093	10.0025203	40	9.0648057	9.0677522	10.0029465
11	9.0322567	9.0347906	10.0025340	41	9.0658852	9.0688465	10.0029613
12	9.0334212	9.0359688	10.0025477	42	9.0669619	9.0699381	10.0029761
13	9.0345825	9.0371439	10.0025614	43	9.0680360	9.0710270	10.0029910
14	9.0357407	9.0383159	10.0025752	44	9.0691074	9.0721133	10.0030059
15	9.0368958	9.0394848	10.0025890	45	9.0701761	9.0731969	10.0030208
16	9.0380477	9.0406506	10.0026029	46	9.0712421	9.0742779	10.0030358
17	9.0391966	9.0418134	10.0026167	47	9.0723055	9.0753563	10.0030508
18	9.0403424	9.0429731	10.0026307	48	9.0733663	9.0764321	10.0030658
19	9.0414852	9.0441299	10.0026446	49	9.0744244	9.0775053	10.0030809
20	9.0426249	9.0452836	10.0026586	50	9.0754799	9.0785760	10.0030960
21	9.0437617	9.0464343	10.0026727	51	9.0765329	9.0796441	10.0031112
22	9.0448954	9.0475821	10.0026868	52	9.0775832	9.0807096	10.0031264
23	9.0460261	9.0487270	10.0027009	53	9.0786310	9.0817726	10.0031416
24	9.0471538	9.0498689	10.0027150	54	9.0796762	9.0828331	10.0031569
25	9.0482786	9.0510078	10.0027292	55	9.0807189	9.0838911	10.0031722
26	9.0494005	9.0521439	10.0027434	56	9.0817590	9.0849466	10.0031875
27	9.0505194	9.0532771	10.0027577	57	9.0827966	9.0859996	10.0032029
28	9.0516354	9.0544074	10.0027720	58	9.0838317	9.0870501	10.0032183
29	9.0527485	9.0555349	10.0027863	59	9.0848643	9.0880981	10.0032338
30	9.0538588	9.0566595	10.0028007	60	9.0858945	9.0891438	10.0032493

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.0858945	9.0891438	10.0032493	30	9.1156977	9.1194291	10.0037314
1	9.0869221	9.0901869	10.0032648	31	9.1166562	9.1204043	10.0037481
2	9.0879473	9.0912277	10.0032804	32	9.1176125	9.1213773	10.0037648
3	9.0889700	9.0922660	10.0032960	33	9.1185667	9.1223482	10.0037815
4	9.0899903	9.0933020	10.0033116	34	9.1195188	9.1233171	10.0037983
5	9.0910082	9.0943355	10.0033273	35	9.1204688	9.1242839	10.0038151
6	9.0920237	9.0953667	10.0033430	36	9.1214167	9.1252486	10.0038319
7	9.0930367	9.0963955	10.0033588	37	9.1223624	9.1262112	10.0038488
8	9.0940474	9.0974219	10.0033746	38	9.1233061	9.1271718	10.0038657
9	9.0950556	9.0984460	10.0033904	39	9.1242477	9.1281303	10.0038826
10	9.0960615	9.0994678	10.0034063	40	9.1251872	9.1290868	10.0038996
11	9.0970651	9.1004872	10.0034222	41	9.1261246	9.1300413	10.0039166
12	9.0980662	9.1015044	10.0034381	42	9.1270600	9.1309937	10.0039337
13	9.0990651	9.1025192	10.0034541	43	9.1279934	9.1319442	10.0039508
14	9.1000616	9.1035317	10.0034701	44	9.1289247	9.1328926	10.0039679
15	9.1010558	9.1045420	10.0034862	45	9.1298539	9.1338391	10.0039851
16	9.1020477	9.1055500	10.0035023	46	9.1307812	9.1347835	10.0040023
17	9.1030373	9.1065557	10.0035184	47	9.1317064	9.1357260	10.0040196
18	9.1040246	9.1075591	10.0035345	48	9.1326297	9.1366665	10.0040369
19	9.1050096	9.1085604	10.0035507	49	9.1335509	9.1376051	10.0040542
20	9.1059924	9.1095594	10.0035670	50	9.1344702	9.1385417	10.0040716
21	9.1069729	9.1105562	10.0035833	51	9.1353875	9.1394764	10.0040889
22	9.1079512	9.1115508	10.0035996	52	9.1363028	9.1404092	10.0041064
23	9.1089272	9.1125431	10.0036159	53	9.1372161	9.1413400	10.0041239
24	9.1099010	9.1135333	10.0036323	54	9.1381275	9.1422689	10.0041414
25	9.1108726	9.1145213	10.0036487	55	9.1390370	9.1431959	10.0041589
26	9.1118420	9.1155072	10.0036652	56	9.1399445	9.1441210	10.0041765
27	9.1128092	9.1164909	10.0036817	57	9.1408501	9.1450442	10.0041941
28	9.1137742	9.1174724	10.0036982	58	9.1417537	9.1459655	10.0042118
29	9.1147370	9.1184518	10.0037148	59	9.1426555	9.1468849	10.0042295
30	9.1156977	9.1194291	10.0037314	60	9.1435553	9.1478025	10.0042472

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.1435553	9.1478025	10.0042472	30	9.1697021	9.1744988	10.0047967
1	9.1444532	9.1487182	10.0042650	31	9.1705465	9.1753622	10.0048156
2	9.1453493	9.1496321	10.0042828	32	9.1713893	9.1762239	10.0048346
3	9.1462435	9.1505441	10.0043007	33	9.1722305	9.1770840	10.0048536
4	9.1471358	9.1514543	10.0043185	34	9.1730699	9.1779425	10.0048726
5	9.1480262	9.1523627	10.0043365	35	9.1739077	9.1787993	10.0048916
6	9.1489148	9.1532692	10.0043544	36	9.1747439	9.1796546	10.0049107
7	9.1498015	9.1541739	10.0043724	37	9.1755784	9.1805082	10.0049298
8	9.1506864	9.1550769	10.0043905	38	9.1764112	9.1813602	10.0049490
9	9.1515694	9.1559780	10.0044085	39	9.1772425	9.1822106	10.0049682
10	9.1524507	9.1568773	10.0044266	40	9.1780721	9.1830595	10.0049874
11	9.1533301	9.1577748	10.0044448	41	9.1789001	9.1839068	10.0050067
12	9.1542076	9.1586706	10.0044630	42	9.1797265	9.1847525	10.0050260
13	9.1550834	9.1595646	10.0044812	43	9.1805512	9.1855966	10.0050454
14	9.1559574	9.1604569	10.0044995	44	9.1813744	9.1864392	10.0050648
15	9.1568296	9.1613473	10.0045178	45	9.1821960	9.1872802	10.0050842
16	9.1577000	9.1622361	10.0045361	46	9.1830160	9.1881196	10.0051036
17	9.1585686	9.1631231	10.0045545	47	9.1838344	9.1889575	10.0051231
18	9.1594354	9.1640083	10.0045729	48	9.1846512	9.1897939	10.0051427
19	9.1603005	9.1648919	10.0045913	49	9.1854665	9.1906287	10.0051623
20	9.1611639	9.1657737	10.0046098	50	9.1862802	9.1914621	10.0051819
21	9.1620254	9.1666538	10.0046283	51	9.1870923	9.1922939	10.0052015
22	9.1628853	9.1675322	10.0046469	52	9.1879029	9.1931241	10.0052212
23	9.1637434	9.1684089	10.0046655	53	9.1887120	9.1939529	10.0052409
24	9.1645998	9.1692839	10.0046841	54	9.1895195	9.1947802	10.0052607
25	9.1654544	9.1705172	10.0047028	55	9.1903254	9.1956059	10.0052805
26	9.1663074	9.1710289	10.0047215	56	9.1911299	9.1964302	10.0053003
27	9.1671586	9.1718989	10.0047403	57	9.1919328	9.1972530	10.0053202
28	9.1680081	9.1727672	10.0047591	58	9.1927342	9.1980743	10.0053401
29	9.1688559	9.1736338	10.0047779	59	9.1935341	9.1988941	10.0053601
30	9.1697021	9.1744988	10.0047967	60	9.1943324	9.1997125	10.0053801

Minut.	9 Grados. Senos.	Tangentes.	Secantes.	Minut.	9 Grados. Senos.	Tangentes.	Secantes.
0	9.1943324	9.1997125	10.0053801	30	9.2176092	9.2236065	10.0059973
1	9.1951293	9.2005294	10.0054001	31	9.2183635	9.2243819	10.0060185
2	9.1959247	9.2013449	10.0054202	32	9.2191164	9.2251561	10.0060397
3	9.1967186	9.2021588	10.0054403	33	9.2198680	9.2259289	10.0060609
4	9.1975110	9.2029714	10.0054604	34	9.2206182	9.2267004	10.0060822
5	9.1983019	9.2037825	10.0054806	35	9.2213671	9.2274706	10.0061035
6	9.1990913	9.2045922	10.0055008	36	9.2221147	9.2282395	10.0061248
7	9.1998793	9.2054004	10.0055211	37	9.2228609	9.2290071	10.0061462
8	9.2006658	9.2062072	10.0055413	38	9.2236059	9.2297735	10.0061676
9	9.2014509	9.2070126	10.0055617	39	9.2243495	9.2305386	10.0061891
10	9.2022345	9.2078165	10.0055820	40	9.2250918	9.2313024	10.0062106
11	9.2030167	9.2086191	10.0056025	41	9.2258328	9.2320650	10.0062321
12	9.2037974	9.2094203	10.0056229	42	9.2265725	9.2328262	10.0062537
13	9.2045766	9.2102200	10.0056434	43	9.2273110	9.2335863	10.0062753
14	9.2053545	9.2110184	10.0056639	44	9.2280481	9.2343451	10.0062970
15	9.2061309	9.2118153	10.0056844	45	9.2287839	9.2351026	10.0063187
16	9.2069059	9.2126109	10.0057050	46	9.2295185	9.2358589	10.0063404
17	9.2076795	9.2134051	10.0057257	47	9.2302518	9.2366139	10.0063622
18	9.2084516	9.2141980	10.0057463	48	9.2309838	9.2373678	10.0063840
19	9.2092224	9.2149894	10.0057670	49	9.2317145	9.2381203	10.0064058
20	9.2099917	9.2157795	10.0057878	50	9.2324440	9.2388717	10.0064277
21	9.2107597	9.2165683	10.0058086	51	9.2331722	9.2396218	10.0064496
22	9.2115263	9.2173556	10.0058294	52	9.2338992	9.2403708	10.0064715
23	9.2122914	9.2181417	10.0058502	53	9.2346249	9.2411185	10.0064935
24	9.2130552	9.2189264	10.0058711	54	9.2353494	9.2418650	10.0065156
25	9.2138176	9.2197097	10.0058921	55	9.2360726	9.2426103	10.0065376
26	9.2145787	9.2204917	10.0059130	56	9.2367946	9.2433543	10.0065597
27	9.2153384	9.2212724	10.0059341	57	9.2375153	9.2440972	10.0065819
28	9.2160967	9.2220518	10.0059551	58	9.2382349	9.2448389	10.0066041
29	9.2168536	9.2228298	10.0059762	59	9.2389532	9.2455794	10.0066263
30	9.2176092	9.2236065	10.0059973	60	9.2396702	9.2463188	10.0066485

Minut.	(12) 10 Grados. Senos.	Tangentes.	Secantes.	Minut.	10 Grados. Senos.	Tangentes.	Secantes.
0	9.2396702	9.2463188	10.0066485	30	9.2606330	9.2679669	10.0073339
1	9.2403861	9.2470569	10.0066708	31	9.2613141	9.2686714	10.0073573
2	9.2411007	9.2477939	10.0066932	32	9.2619941	9.2693749	10.0073808
3	9.2418141	9.2485297	10.0067155	33	9.2626729	9.2700772	10.0074043
4	9.2425264	9.2492643	10.0067379	34	9.2633507	9.2707786	10.0074278
5	9.2432374	9.2499978	10.0067604	35	9.2640274	9.2714788	10.0074514
6	9.2439472	9.2507301	10.0067829	36	9.2647030	9.2721780	10.0074750
7	9.2446558	9.2514612	10.0068054	37	9.2653775	9.2728762	10.0074987
8	9.2453632	9.2521912	10.0068280	38	9.2660509	9.2735733	10.0075224
9	9.2460695	9.2529200	10.0068506	39	9.2667232	9.2742694	10.0075461
10	9.2467746	9.2536477	10.0068732	40	9.2673945	9.2749644	10.0075699
11	9.2474784	9.2543743	10.0068959	41	9.2680647	9.2756584	10.0075937
12	9.2481811	9.2550997	10.0069186	42	9.2687338	9.2763514	10.0076176
13	9.2488827	9.2558240	10.0069413	43	9.2694019	9.2770434	10.0076415
14	9.2495830	9.2565472	10.0069641	44	9.2700689	9.2777343	10.0076654
15	9.2502822	9.2572692	10.0069869	45	9.2707348	9.2784242	10.0076894
16	9.2509803	9.2579901	10.0070098	46	9.2713997	9.2791131	10.0077134
17	9.2516772	9.2587099	10.0070327	47	9.2720635	9.2798009	10.0077374
18	9.2523729	9.2594285	10.0070556	48	9.2727263	9.2804878	10.0077615
19	9.2530675	9.2601461	10.0070786	49	9.2733880	9.2811736	10.0077856
20	9.2537609	9.2608625	10.0071016	50	9.2740487	9.2818585	10.0078098
21	9.2544532	9.2615779	10.0071247	51	9.2747083	9.2825423	10.0078340
22	9.2551444	9.2622921	10.0071478	52	9.2753669	9.2832251	10.0078582
23	9.2558344	9.2630053	10.0071709	53	9.2760245	9.2839070	10.0078825
24	9.2565233	9.2637173	10.0071941	54	9.2766811	9.2845878	10.0079068
25	9.2572110	9.2644283	10.0072173	55	9.2773366	9.2852677	10.0079311
26	9.2578977	9.2651382	10.0072405	56	9.2779911	9.2859466	10.0079555
27	9.2585832	9.2658470	10.0072638	57	9.2786445	9.2866245	10.0079799
28	9.2592676	9.2665547	10.0072871	58	9.2792970	9.2873014	10.0080044
29	9.2599509	9.2672613	10.0073105	59	9.2799484	9.2879773	10.0080289
30	9.2606330	9.2679669	10.0073339	60	9.2805988	9.2886523	10.0080534

Minut.	11 Grados. Senos.	Tangentes.	Secantes.	Minut.	11 Grados. Senos.	Tangentes.	Secantes.
0	9.2805988	9.2886523	10.0080534	30	9.2996553	9.3084626	10.0088073
1	9.2812483	9.2893263	10.0080780	31	9.3002758	9.3091038	10.0088330
2	9.2818967	9.2899993	10.0081026	32	9.3008953	9.3097541	10.0088583
3	9.2825441	9.2906713	10.0081273	33	9.3015140	9.3103985	10.0088846
4	9.2831905	9.2913424	10.0081520	34	9.3021317	9.3110421	10.0089104
5	9.2838359	9.2920126	10.0081767	35	9.3027485	9.3116848	10.0089363
6	9.2844803	9.2926817	10.0082014	36	9.3033644	9.3123266	10.0089622
7	9.2851237	9.2933500	10.0082263	37	9.3039794	9.3129675	10.0089881
8	9.2857661	9.2940172	10.0082511	38	9.3045934	9.3136076	10.0090141
9	9.2864076	9.2946836	10.0082760	39	9.3052066	9.3142468	10.0090402
10	9.2870480	9.2953489	10.0083009	40	9.3058189	9.3148851	10.0090662
11	9.2876875	9.2960134	10.0083259	41	9.3064303	9.3155226	10.0090923
12	9.2883260	9.2966769	10.0083508	42	9.3070407	9.3161592	10.0091185
13	9.2889636	9.2973395	10.0083759	43	9.3076503	9.3167950	10.0091447
14	9.2896001	9.2980011	10.0084010	44	9.3082590	9.3174299	10.0091709
15	9.2902357	9.2986618	10.0084261	45	9.3088668	9.3180640	10.0091971
16	9.2908704	9.2993216	10.0084512	46	9.3094737	9.3186972	10.0092234
17	9.2915040	9.2999804	10.0084764	47	9.3100798	9.3193295	10.0092498
18	9.2921367	9.3006383	10.0085016	48	9.3106849	9.3199611	10.0092761
19	9.2927685	9.3012954	10.0085269	49	9.3112892	9.3205918	10.0093026
20	9.2933993	9.3019514	10.0085522	50	9.3118926	9.3212216	10.0093290
21	9.2940291	9.3026066	10.0085775	51	9.3124951	9.3218506	10.0093555
22	9.2946580	9.3032609	10.0086029	52	9.3130968	9.3224788	10.0093820
23	9.2952859	9.3039143	10.0086283	53	9.3136976	9.3231061	10.0094086
24	9.2959129	9.3045667	10.0086538	54	9.3142975	9.3237327	10.0094352
25	9.2965390	9.3052183	10.0086793	55	9.3148965	9.3243584	10.0094618
26	9.2971641	9.3058689	10.0087048	56	9.3154947	9.3249832	10.0094885
27	9.2977883	9.3065187	10.0087304	57	9.3160921	9.3256073	10.0095152
28	9.2984116	9.3071675	10.0087560	58	9.3166885	9.3262305	10.0095420
29	9.2990339	9.3078155	10.0087816	59	9.3172841	9.3268529	10.0095688
30	9.2996553	9.3084626	10.0088073	60	9.3178789	9.3274745	10.0095956

Minut.	12 Grados. Senos.	Tangentes.	Secantes.	Minut.	12 Grados. Senos.	Tangentes.	Secantes.
0	9.3178789	9.3274745	10.0095956	30	9.3353368	9.3457552	10.0104185
1	9.3184728	9.3280953	10.0096225	31	9.3359062	9.3463527	10.0104465
2	9.3190659	9.3287153	10.0096494	32	9.3364749	9.3469494	10.0104746
3	9.3196581	9.3293345	10.0096763	33	9.3370428	9.3475454	10.0105027
4	9.3202495	9.3299528	10.0097033	34	9.3376099	9.3481407	10.0105308
5	9.3208400	9.3305704	10.0097303	35	9.3381762	9.3487352	10.0105590
6	9.3214297	9.3311872	10.0097574	36	9.3387418	9.3493290	10.0105872
7	9.3220186	9.3318031	10.0097845	37	9.3393065	9.3499220	10.0106155
8	9.3226066	9.3324183	10.0098117	38	9.3398706	9.3505143	10.0106438
9	9.3231938	9.3330327	10.0098388	39	9.3404338	9.3511059	10.0106721
10	9.3237802	9.3336463	10.0098661	40	9.3409963	9.3516968	10.0107005
11	9.3243657	9.3342591	10.0098933	41	9.3415580	9.3522869	10.0107289
12	9.3249505	9.3348711	10.0099206	42	9.3421190	9.3528763	10.0107573
13	9.3255344	9.3354823	10.0099479	43	9.3426792	9.3534650	10.0107858
14	9.3261174	9.3360927	10.0099753	44	9.3432386	9.3540530	10.0108144
15	9.3266997	9.3367024	10.0100027	45	9.3437973	9.3546402	10.0108429
16	9.3272811	9.3373113	10.0100302	46	9.3443552	9.3552267	10.0108715
17	9.3278617	9.3379194	10.0100577	47	9.3449124	9.3558126	10.0109002
18	9.3284416	9.3385267	10.0100852	48	9.3454688	9.3563977	10.0109289
19	9.3290206	9.3391333	10.0101127	49	9.3460245	9.3569821	10.0109576
20	9.3295988	9.3397391	10.0101403	50	9.3465794	9.3575658	10.0109863
21	9.3301761	9.3403441	10.0101680	51	9.3471336	9.3581487	10.0110151
22	9.3307527	9.3409484	10.0101957	52	9.3476870	9.3587310	10.0110440
23	9.3313285	9.3415519	10.0102234	53	9.3482397	9.3593126	10.0110729
24	9.3319035	9.3421546	10.0102511	54	9.3487917	9.3598935	10.0111018
25	9.3324777	9.3427566	10.0102789	55	9.3493429	9.3604736	10.0111307
26	9.3330511	9.3433578	10.0103068	56	9.3498934	9.3610531	10.0111597
27	9.3336237	9.3439583	10.0103346	57	9.3504432	9.3616319	10.0111887
28	9.3341955	9.3445580	10.0103626	58	9.3509922	9.3622100	10.0112178
29	9.3347665	9.3451570	10.0103905	59	9.3515405	9.3627874	10.0112469
30	9.3353368	9.3457552	10.0104185	60	9.3520880	9.3633641	10.0112761

Minut.	13 Grados. Senos.	Tangentes.	Secantes.	Minut.	18 Grados. Senos.	Tangentes.	Secantes.
0	9.3520880	9.3633641	10.0112761	30	9.3681858	9.3803537	10.0121685
1	9.3526349	9.3639401	10.0113053	31	9.3687111	9.3809100	10.0121988
2	9.3531810	9.3645155	10.0113345	32	9.3692363	9.3814655	10.0122292
3	9.3537264	9.3650901	10.0113637	33	9.3697608	9.3820205	10.0122596
4	9.3542710	9.3656641	10.0113930	34	9.3702847	9.3825748	10.0122901
5	9.3548150	9.3662374	10.0114224	35	9.3708079	9.3831285	10.0123206
6	9.3553582	9.3668100	10.0114518	36	9.3713304	9.3836816	10.0123512
7	9.3559007	9.3673819	10.0114812	37	9.3718523	9.3842340	10.0123817
8	9.3564426	9.3679532	10.0115106	38	9.3723735	9.3847858	10.0124124
9	9.3569836	9.3685238	10.0115401	39	9.3728940	9.3853370	10.0124430
10	9.3575240	9.3690937	10.0115697	40	9.3734139	9.3858876	10.0124737
11	9.3580637	9.3696629	10.0115992	41	9.3739331	9.3864376	10.0125045
12	9.3586027	9.3702315	10.0116288	42	9.3744517	9.3869869	10.0125352
13	9.3591409	9.3707994	10.0116585	43	9.3749696	9.3875356	10.0125661
14	9.3596785	9.3713667	10.0116882	44	9.3754868	9.3880837	10.0125969
15	9.3602154	9.3719333	10.0117179	45	9.3760034	9.3886312	10.0126278
16	9.3607515	9.3724992	10.0117477	46	9.3765194	9.3891781	10.0126587
17	9.3612870	9.3730645	10.0117775	47	9.3770347	9.3897244	10.0126897
18	9.3618217	9.3736291	10.0118073	48	9.3775493	9.3902700	10.0127207
19	9.3623558	9.3741930	10.0118372	49	9.3780633	9.3908151	10.0127518
20	9.3628892	9.3747563	10.0118671	50	9.3785767	9.3913595	10.0127829
21	9.3634219	9.3753190	10.0118971	51	9.3790894	9.3919034	10.0128140
22	9.3639539	9.3758810	10.0119271	52	9.3796015	9.3924466	10.0128451
23	9.3644852	9.3764423	10.0119571	53	9.3801129	9.3929893	10.0128764
24	9.3650158	9.3770030	10.0119872	54	9.3806237	9.3935313	10.0129076
25	9.3655458	9.3775631	10.0120173	55	9.3811339	9.3940727	10.0129389
26	9.3660750	9.3781225	10.0120475	56	9.3816434	9.3946136	10.0129702
27	9.3666036	9.3786813	10.0120777	57	9.3821523	9.3951538	10.0130016
28	9.3671315	9.3792394	10.0121079	58	9.3826605	9.3956935	10.0130330
29	9.3676587	9.3797969	10.0121382	59	9.3831682	9.3962326	10.0130644
30	9.3681853	9.3803537	10.0121685	60	9.3836752	9.3967711	10.0130959

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.3836752	9.3967711	10.0130959	30	9.3985996	9.4126581	10.0140584
1	9.3841815	9.3973089	10.0131274	31	9.3990878	9.4131789	10.0140911
2	9.3846873	9.3978463	10.0131590	32	9.3995754	9.4136993	10.0141238
3	9.3851924	9.3983830	10.0131906	33	9.4000625	9.4142191	10.0141566
4	9.3856969	9.3989191	10.0132222	34	9.4005489	9.4147383	10.0141894
5	9.3862008	9.3994547	10.0132539	35	9.4010348	9.4152570	10.0142223
6	9.3867040	9.3999896	10.0132856	36	9.4015201	9.4157752	10.0142551
7	9.3872067	9.4005240	10.0133173	37	9.4020048	9.4162928	10.0142881
8	9.3877087	9.4010578	10.0133491	38	9.4024889	9.4168099	10.0143210
9	9.3882101	9.4015910	10.0133809	39	9.4029724	9.4173265	10.0143540
10	9.3887109	9.4021237	10.0134128	40	9.4034554	9.4178425	10.0143871
11	9.3892111	9.4026558	10.0134447	41	9.4039378	9.4183580	10.0144202
12	9.3897106	9.4031873	10.0134767	42	9.4044196	9.4188729	10.0144533
13	9.3902096	9.4037182	10.0135087	43	9.4049009	9.4193874	10.0144865
14	9.3907079	9.4042486	10.0135407	44	9.4053816	9.4199013	10.0145197
15	9.3912057	9.4047784	10.0135727	45	9.4058617	9.4204146	10.0145529
16	9.3917028	9.4053076	10.0136048	46	9.4063413	9.4209275	10.0145862
17	9.3921993	9.4058363	10.0136370	47	9.4068203	9.4214398	10.0146195
18	9.3926952	9.4063644	10.0136692	48	9.4072987	9.4219515	10.0146529
19	9.3931905	9.4068919	10.0137014	49	9.4077766	9.4224628	10.0146862
20	9.3936852	9.4074189	10.0137337	50	9.4082539	9.4229735	10.0147197
21	9.3941794	9.4079453	10.0137660	51	9.4087306	9.4234838	10.0147532
22	9.3946729	9.4084712	10.0137983	52	9.4092068	9.4239935	10.0147867
23	9.3951658	9.4089965	10.0138307	53	9.4096824	9.4245026	10.0148202
24	9.3956581	9.4095212	10.0138631	54	9.4101575	9.4250113	10.0148538
25	9.3961499	9.4100454	10.0138955	55	9.4106320	9.4255194	10.0148875
26	9.3966410	9.4105690	10.0139280	56	9.4111059	9.4260271	10.0149211
27	9.3971315	9.4110921	10.0139606	57	9.4115793	9.4265342	10.0149548
28	9.3976215	9.4116146	10.0139931	58	9.4120522	9.4270408	10.0149886
29	9.3981109	9.4121366	10.0140258	59	9.4125245	9.4275469	10.0150224
30	9.3985996	9.4126581	10.0140584	60	9.4129962	9.4280525	10.0150562

Minut.	15 Grados. Senos.	Tangentes.	Secantes.	Minut.	15 Grados. Senos.	Tangentes.	Secantes.
0	9.4129962	9.4280525	10.0150562	30	9.4268988	9.4429883	10.0160895
1	9.4134674	9.4285575	10.0150901	31	9.4273541	9.4434786	10.0161245
2	9.4139381	9.4290621	10.0151240	32	9.4278089	9.4439685	10.0161596
3	9.4144082	9.4295661	10.0151580	33	9.4282631	9.4444579	10.0161948
4	9.4148778	9.4300697	10.0151919	34	9.4287169	9.4449468	10.0162299
5	9.4153468	9.4305727	10.0152260	35	9.4291701	9.4454352	10.0162652
6	9.4158152	9.4310753	10.0152600	36	9.4296228	9.4459232	10.0163004
7	9.4162832	9.4315773	10.0152941	37	9.4300750	9.4464107	10.0163357
8	9.4167506	9.4320789	10.0153283	38	9.4305267	9.4468978	10.0163710
9	9.4172174	9.4325799	10.0153625	39	9.4309779	9.4473843	10.0164064
10	9.4176837	9.4330804	10.0153967	40	9.4314286	9.4478704	10.0164418
11	9.4181495	9.4335805	10.0154310	41	9.4318788	9.4483561	10.0164773
12	9.4186148	9.4340800	10.0154653	42	9.4323285	9.4488413	10.0165128
13	9.4190795	9.4345791	10.0154996	43	9.4327777	9.4493260	10.0165483
14	9.4195436	9.4350776	10.0155340	44	9.4332264	9.4498102	10.0165839
15	9.4200073	9.4355757	10.0155684	45	9.4336746	9.4502940	10.0166195
16	9.4204704	9.4360733	10.0156029	46	9.4341223	9.4507774	10.0166551
17	9.4209330	9.4365704	10.0156374	47	9.4345694	9.4512602	10.0166908
18	9.4213950	9.4370670	10.0156719	48	9.4350161	9.4517427	10.0167265
19	9.4218566	9.4375631	10.0157065	49	9.4354623	9.4522246	10.0167623
20	9.4223176	9.4380587	10.0157411	50	9.4359080	9.4527061	10.0167981
21	9.4227780	9.4385538	10.0157758	51	9.4363532	9.4531872	10.0168339
22	9.4232380	9.4390485	10.0158105	52	9.4367980	9.4536678	10.0168698
23	9.4236974	9.4395426	10.0158452	53	9.4372422	9.4541479	10.0169058
24	9.4241563	9.4400363	10.0158800	54	9.4376859	9.4546276	10.0169417
25	9.4246147	9.4405295	10.0159148	55	9.4381292	9.4551069	10.0169777
26	9.4250726	9.4410222	10.0159497	56	9.4385719	9.4555857	10.0170138
27	9.4255299	9.4415145	10.0159846	57	9.4390142	9.4560641	10.0170499
28	9.4259867	9.4420062	10.0160195	58	9.4394560	9.4565420	10.0170860
29	9.4264430	9.4424975	10.0160545	59	9.4398973	9.4570194	10.0171222
30	9.4268988	9.4429883	10.0160895	60	9.4403381	9.4574964	10.0171584

Minut.	16 Grados. Senos.	Tangentes.	Secantes.	Minut.	16 Grados. Senos.	Tangentes.	Secantes.
0	9.4403381	9.4574964	10.0171584	30	9.4533418	9.4716048	10.0182630
1	9.4407784	9.4579730	10.0171946	31	9.4537681	9.4720685	10.0183005
2	9.4412182	9.4584491	10.0172309	32	9.4541939	9.4725318	10.0183380
3	9.4416576	9.4589248	10.0172672	33	9.4546192	9.4729947	10.0183755
4	9.4420965	9.4594001	10.0173036	34	9.4550441	9.4734572	10.0184130
5	9.4425349	9.4598749	10.0173400	35	9.4554686	9.4739192	10.0184506
6	9.4429728	9.4603492	10.0173764	36	9.4558926	9.4743808	10.0184883
7	9.4434103	9.4608232	10.0174129	37	9.4563161	9.4748421	10.0185260
8	9.4438472	9.4612967	10.0174494	38	9.4567392	9.4753029	10.0185637
9	9.4442837	9.4617697	10.0174860	39	9.4571618	9.4757633	10.0186014
10	9.4447197	9.4622423	10.0175226	40	9.4575840	9.4762233	10.0186392
11	9.4451553	9.4627145	10.0175592	41	9.4580058	9.4766829	10.0186771
12	9.4455904	9.4631863	10.0175959	42	9.4584271	9.4771421	10.0187150
13	9.4460250	9.4636576	10.0176326	43	9.4588480	9.4776009	10.0187529
14	9.4464591	9.4641285	10.0176694	44	9.4592684	9.4780592	10.0187909
15	9.4468927	9.4645990	10.0177062	45	9.4596884	9.4785172	10.0188289
16	9.4473259	9.4650690	10.0177431	46	9.4601079	9.4789748	10.0188669
17	9.4477586	9.4655386	10.0177799	47	9.4605270	9.4794319	10.0189050
18	9.4481909	9.4660078	10.0178169	48	9.4609456	9.4798887	10.0189431
19	9.4486227	9.4664765	10.0178538	49	9.4613638	9.4803451	10.0189813
20	9.4490540	9.4669448	10.0178908	50	9.4617816	9.4808011	10.0190195
21	9.4494849	9.4674127	10.0179279	51	9.4621989	9.4812566	10.0190577
22	9.4499153	9.4678802	10.0179649	52	9.4626158	9.4817118	10.0190960
23	9.4503452	9.4683473	10.0180021	53	9.4630323	9.4821666	10.0191343
24	9.4507747	9.4688139	10.0180392	54	9.4634483	9.4826210	10.0191727
25	9.4512037	9.4692801	10.0180764	55	9.4638639	9.4830750	10.0192111
26	9.4516322	9.4697459	10.0181137	56	9.4642790	9.4835286	10.0192495
27	9.4520603	9.4702112	10.0181510	57	9.4646938	9.4839818	10.0192880
28	9.4524879	9.4706762	10.0181883	58	9.4651081	9.4844346	10.0193265
29	9.4529151	9.4711407	10.0182256	59	9.4655219	9.4848870	10.0193651
30	9.4533418	9.4716048	10.0182630	60	9.4659353	9.4853390	10.0194037

Minut.	17 Gradus. Senos.	Tangentes.	Secantes.	Minut.	17 Gradus. Senos.	Tangentes.	Secantes.
0	9.4659353	9.4853390	10.0194037	30	9.4781418	9.4987223	10.0205805
1	9.4663483	9.4857907	10.0194423	31	9.4785423	9.4991626	10.0206204
2	9.4667609	9.4862419	10.0194810	32	9.4789423	9.4996026	10.0206602
3	9.4671730	9.4866928	10.0195197	33	9.4793420	9.5000422	10.0207002
4	9.4675848	9.4871433	10.0195585	34	9.4797412	9.5004814	10.0207401
5	9.4679960	9.4875933	10.0195973	35	9.4801401	9.5009203	10.0207802
6	9.4684069	9.4880430	10.0196361	36	9.4805385	9.5013588	10.0208202
7	9.4688173	9.4884924	10.0196750	37	9.4809366	9.5017969	10.0208603
8	9.4692273	9.4889413	10.0197140	38	9.4813342	9.5022347	10.0209004
9	9.4696369	9.4893898	10.0197529	39	9.4817315	9.5026721	10.0209406
10	9.4700461	9.4898380	10.0197919	40	9.4821283	9.5031092	10.0209808
11	9.4704548	9.4902858	10.0198310	41	9.4825248	9.5035459	10.0210211
12	9.4708631	9.4907332	10.0198701	42	9.4829208	9.5039822	10.0210614
13	9.4712710	9.4911802	10.0199092	43	9.4833165	9.5044182	10.0211017
14	9.4716785	9.4916269	10.0199484	44	9.4837117	9.5048538	10.0211421
15	9.4720856	9.4920731	10.0199876	45	9.4841066	9.5052891	10.0211825
16	9.4724922	9.4925190	10.0200268	46	9.4845010	9.5057240	10.0212230
17	9.4728985	9.4929646	10.0200661	47	9.4848951	9.5061586	10.0212635
18	9.4733043	9.4934097	10.0201054	48	9.4852888	9.5065928	10.0213040
19	9.4737097	9.4938545	10.0201448	49	9.4856820	9.5070267	10.0213446
20	9.4741146	9.4942988	10.0201842	50	9.4860749	9.5074602	10.0213852
21	9.4745192	9.4947429	10.0202236	51	9.4864674	9.5078933	10.0214259
22	9.4749234	9.4951865	10.0202631	52	9.4868595	9.5083261	10.0214666
23	9.4753271	9.4956298	10.0203027	53	9.4872512	9.5087586	10.0215073
24	9.4757304	9.4960727	10.0203422	54	9.4876426	9.5091907	10.0215481
25	9.4761334	9.4965152	10.0203818	55	9.4880335	9.5096224	10.0215889
26	9.4765359	9.4969574	10.0204215	56	9.4884240	9.5100539	10.0216298
27	9.4769380	9.4973991	10.0204612	57	9.4888142	9.5104849	10.0216707
28	9.4773396	9.4978406	10.0205009	58	9.4892040	9.5109156	10.0217117
29	9.4777409	9.4982816	10.0205407	59	9.4895934	9.5113460	10.0217526
30	9.4781418	9.4987223	10.0205805	60	9.4899824	9.5117760	10.0217937

Minut.	(20) 18 Grados. Senos.	Tangentes.	Secantes.	Minut.	18 Grados. Senos.	Tangentes.	Secantes.
0	9.4899824	9.5117760	10.0217937	30	9.5014764	9.5245199	10.0230434
1	9.4903710	9.5122057	10.0218347	31	9.5018538	9.5249395	10.0230857
2	9.4907592	9.5126351	10.0218759	32	9.5022308	9.5253589	10.0231280
3	9.4911471	9.5130641	10.0219170	33	9.5026075	9.5257779	10.0231704
4	9.4915345	9.5134927	10.0219582	34	9.5029838	9.5261966	10.0232128
5	9.4919216	9.5139210	10.0219994	35	9.5033597	9.5266150	10.0232553
6	9.4923083	9.5143490	10.0220407	36	9.5037353	9.5270331	10.0232978
7	9.4926946	9.5147766	10.0220820	37	9.5041105	9.5274508	10.0233403
8	9.4930806	9.5152039	10.0221234	38	9.5044853	9.5278682	10.0233829
9	9.4934661	9.5156309	10.0221647	39	9.5048598	9.5282853	10.0234255
10	9.4938513	9.5160575	10.0222062	40	9.5052339	9.5287021	10.0234682
11	9.4942361	9.5164838	10.0222477	41	9.5056077	9.5291186	10.0235109
12	9.4946205	9.5169097	10.0222892	42	9.5059811	9.5295347	10.0235536
13	9.4950046	9.5173353	10.0223307	43	9.5063542	9.5299505	10.0235964
14	9.4953883	9.5177606	10.0223723	44	9.5067269	9.5303661	10.0236392
15	9.4957716	9.5181855	10.0224140	45	9.5070992	9.5307813	10.0236821
16	9.4961545	9.5186101	10.0224556	46	9.5074712	9.5311961	10.0237250
17	9.4965370	9.5190344	10.0224974	47	9.5078428	9.5316107	10.0237679
18	9.4969192	9.5194583	10.0225391	48	9.5082141	9.5320250	10.0238109
19	9.4973010	9.5198819	10.0225809	49	9.5085850	9.5324389	10.0238539
20	9.4976824	9.5203052	10.0226228	50	9.5089556	9.5328526	10.0238970
21	9.4980635	9.5207282	10.0226646	51	9.5093258	9.5332659	10.0239401
22	9.4984442	9.5211508	10.0227066	52	9.5096956	9.5336789	10.0239833
23	9.4988245	9.5215730	10.0227485	53	9.5100651	9.5340916	10.0240264
24	9.4992045	9.5219950	10.0227905	54	9.5104343	9.5345040	10.0240697
25	9.4995840	9.5224166	10.0228326	55	9.5108031	9.5349161	10.0241130
26	9.4999633	9.5228379	10.0228747	56	9.5111716	9.5353278	10.0241563
27	9.5003421	9.5232589	10.0229168	57	9.5115397	9.5357393	10.0241996
28	9.5007206	9.5236795	10.0229590	58	9.5119074	9.5361505	10.0242430
29	9.5010987	9.5240999	10.0230012	59	9.5122749	9.5365613	10.0242865
30	9.5014764	9.5245199	10.0230434	60	9.5126419	9.5369719	10.0243299

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.5126419	9.5369719	10.0243299	30	9.5234953	9.5491487	10.0256534
1	9.5130086	9.5373821	10.0243735	31	9.5238518	9.5495500	10.0256982
2	9.5133750	9.5377920	10.0244170	32	9.5242081	9.5499511	10.0257430
3	9.5137410	9.5382017	10.0244606	33	9.5245640	9.5503519	10.0257878
4	9.5141067	9.5386110	10.0245043	34	9.5249196	9.5507523	10.0258327
5	9.5144721	9.5390200	10.0245479	35	9.5252749	9.5511525	10.0258776
6	9.5148371	9.5394287	10.0245917	36	9.5256298	9.5515524	10.0259226
7	9.5152017	9.5398371	10.0246354	37	9.5259844	9.5519521	10.0259676
8	9.5155660	9.5402453	10.0246792	38	9.5263387	9.5523514	10.0260127
9	9.5159300	9.5406531	10.0247231	39	9.5266927	9.5527504	10.0260578
10	9.5162936	9.5410606	10.0247670	40	9.5270463	9.5531492	10.0261029
11	9.5166569	9.5414678	10.0248109	41	9.5273997	9.5535477	10.0261481
12	9.5170198	9.5418747	10.0248549	42	9.5277526	9.5539459	10.0261933
13	9.5173824	9.5422813	10.0248989	43	9.5281053	9.5543438	10.0262385
14	9.5177447	9.5426877	10.0249430	44	9.5284577	9.5547415	10.0262838
15	9.5181066	9.5430937	10.0249871	45	9.5288097	9.5551388	10.0263291
16	9.5184682	9.5434994	10.0250312	46	9.5291614	9.5555359	10.0263745
17	9.5188295	9.5439048	10.0250754	47	9.5295128	9.5559327	10.0264199
18	9.5191904	9.5443100	10.0251196	48	9.5298638	9.5563292	10.0264654
19	9.5195510	9.5447148	10.0251639	49	9.5302146	9.5567255	10.0265109
20	9.5199112	9.5451193	10.0252082	50	9.5305650	9.5571214	10.0265565
21	9.5202711	9.5455236	10.0252525	51	9.5309151	9.5575171	10.0266020
22	9.5206307	9.5459276	10.0252969	52	9.5312649	9.5579125	10.0266477
23	9.5209899	9.5463312	10.0253413	53	9.5316143	9.5583077	10.0266933
24	9.5213488	9.5467346	10.0253858	54	9.5319635	9.5587025	10.0267390
25	9.5217074	9.5471377	10.0254303	55	9.5323123	9.5590971	10.0267848
26	9.5220656	9.5475405	10.0254748	56	9.5326608	9.5594914	10.0268306
27	9.5224235	9.5479430	10.0255194	57	9.5330090	9.5598854	10.0268764
28	9.5227811	9.5483452	10.0255641	58	9.5333569	9.5602792	10.0269223
29	9.5231383	9.5487471	10.0256087	59	9.5337044	9.5606727	10.0269682
30	9.5234953	9.5491487	10.0256534	60	9.5340517	9.5610659	10.0270142

Minut.	20 Grados. Senos.	Tangentes.	Secantes.	Minut.	20 Grados. Senos.	Tangentes.	Secantes.
0	9.5340517	9.5610659	10.0270142	30	9.5443253	9.5727377	10.0284124
1	9 5343986	9.5614588	10.0270602	31	9.5446630	9.5731227	10.0284596
2	9.5347452	9.5618515	10.0271062	32	9.5450005	9.5735074	10.0285069
3	9.5350915	9.5622439	10.0271523	33	9.5453376	9.5738919	10.0285543
4	9.5354375	9 5626360	10.0271984	34	9.5456745	9.5742761	10.0286016
5	9.5357832	9.5630278	10.0272446	35	9.5460110	9.5746601	10.0286491
6	9.5361286	9.5634194	10.0272908	36	9.5463472	9.5750438	10.0286965
7	9.5364737	9.5638107	10.0273371	37	9.5466832	9.5754272	10.0287440
8	9.5368184	9.5642018	10.0273834	38	9.5470189	9.5758104	10.0287916
9	9.5371629	9.5645925	10.0274297	39	9.5473542	9.5761934	10.0288392
10	9.5375070	9.5649831	10.0274761	40	9.5476893	9.5765761	10.0288868
11	9.5378508	9.5653733	10.0275225	41	9.5480240	9.5769585	10.0289345
12	9.5381943	9.5657633	10.0275690	42	9.5483585	9.5773407	10.0289822
13	9.5385375	9.5661530	10.0276155	43	9.5486927	9.5777226	10.0290299
14	9.5388804	9.5665424	10.0276620	44	9.5490266	9.5781043	10.0290777
15	9.5392230	9.5669316	10.0277086	45	9.5493602	9.5784858	10.0291256
16	9.5395653	9.5673205	10.0277552	46	9.5496935	9.5788669	10.0291735
17	9.5399073	9.5677091	10.0278019	47	9.5500265	9.5792479	10.0292214
18	9.5402489	9.5680975	10.0278486	48	9 5503592	9.5796286	10.0292694
19	9.5405903	9.5684856	10.0278953	49	9.5506916	9.5800090	10.0293174
20	9.5409314	9.5688735	10.0279421	50	9.5510237	9.5803892	10.0293654
21	9.5412721	9.5692611	10.0279890	51	9.5513556	9.5807691	10.0294135
22	9.5416126	9.5696484	10.0280358	52	9.5516871	9.5811488	10.0294617
23	9.5419527	9.5700355	10.0280828	53	9.5520184	9.5815282	10.0295098
24	9.5422926	9.5704223	10.0281297	54	9.5523494	9.5819074	10.0295581
25	9.5426321	9.5708088	10.0281767	55	9.5526801	9.5822864	10.0296063
26	9.5429713	9.5711951	10.0282238	56	9.5530105	9.5826651	10.0296546
27	9.5433103	9.5715811	10.0282709	57	9.5533406	9.5830435	10.0297030
28	9.5436489	9.5719669	10.0283180	58	9.5536704	9.5834217	10.0297514
29	9.5439873	9.5723524	10.0283652	59	9.5539999	9.5837997	10.0297998
30	9.5443253	9.5727377	10.0284124	60	9.5543292	9.5841774	10.0298483

Minut.	21 Grados. Senos.	Tangentes.	Secantes.	Minut.	21 Grados. Senos.	Tangentes.	Secantes.
0	9.5543292	9.5841774	10.0298483	30	9.5640754	9.5953975	10.0313221
1	9.5546581	9.5845549	10.0298968	31	9.5643960	9.5957679	10.0313719
2	9.5549868	9.5849321	10.0299453	32	9.5647163	9.5961380	10.0314217
3	9.5553152	9.5853091	10.0299939	33	9.5650363	9.5965079	10.0314716
4	9.5556433	9.5856859	10.0300426	34	9.5653561	9.5968776	10.0315215
5	9.5559711	9.5860624	10.0300913	35	9.5656756	9.5972470	10.0315714
6	9.5562987	9.5864386	10.0301400	36	9.5659948	9.5976162	10.0316214
7	9.5566259	9.5868147	10.0301888	37	9.5663137	9.5979852	10.0316715
8	9.5569529	9.5871904	10.0302376	38	9.5666324	9.5983540	10.0317216
9	9.5572796	9.5875660	10.0302864	39	9.5669508	9.5987225	10.0317717
10	9.5576060	9.5879413	10.0303353	40	9.5672689	9.5990908	10.0318219
11	9.5579321	9.5883163	10.0303842	41	9.5675868	9.5994588	10.0318721
12	9.5582579	9.5886912	10.0304332	42	9.5679044	9.5998267	10.0319223
13	9.5585835	9.5890657	10.0304823	43	9.5682217	9.6001943	10.0319726
14	9.5589088	9.5894401	10.0305313	44	9.5685387	9.6005617	10.0320229
15	9.5592338	9.5898142	10.0305804	45	9.5688555	9.6009289	10.0320733
16	9.5595585	9.5901881	10.0306296	46	9.5691721	9.6012958	10.0321237
17	9.5598829	9.5905617	10.0306788	47	9.5694883	9.6016625	10.0321742
18	9.5602071	9.5909351	10.0307280	48	9.5698043	9.6020290	10.0322247
19	9.5605310	9.5913082	10.0307773	49	9.5701200	9.6023953	10.0322753
20	9.5608546	9.5916812	10.0308266	50	9.5704355	9.6027613	10.0323259
21	9.5611779	9.5920539	10.0308759	51	9.5707506	9.6031271	10.0323765
22	9.5615010	9.5924263	10.0309254	52	9.5710656	9.6034927	10.0324272
23	9.5618237	9.5927985	10.0309748	53	9.5713802	9.6038581	10.0324779
24	9.5621462	9.5931705	10.0310243	54	9.5716946	9.6042233	10.0325287
25	9.5624685	9.5935423	10.0310738	55	9.5720087	9.6045882	10.0325795
26	9.5627904	9.5939138	10.0311234	56	9.5723226	9.6049529	10.0326303
27	9.5631121	9.5942851	10.0311730	57	9.5726362	9.6053174	10.0326812
28	9.5634335	9.5946561	10.0312227	58	9.5729495	9.6056817	10.0327321
29	9.5637546	9.5950269	10.0312724	59	9.5732626	9.6060457	10.0327831
30	9.5640754	9.5953975	10.0313221	60	9.5735754	9.6064096	10.0328341

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.5735754	9.6064096	10.0328341	30	9.5828397	9.6172243	10.0343847
1	9.5738880	9.6067732	10.0328852	31	9.5831445	9.6175815	10.0344370
2	9.5742003	9.6071366	10.0329363	32	9.5834491	9.6179385	10.0344894
3	9.5745123	9.6074997	10.0329875	33	9.5837535	9.6182953	10.0345418
4	9.5748240	9.6078627	10.0330386	34	9.5840576	9.6186519	10.0345943
5	9.5751356	9.6082254	10.0330899	35	9.5843615	9.6190083	10.0346468
6	9.5754468	9.6085880	10.0331412	36	9.5846651	9.6193645	10.0346994
7	9.5757578	9.6089503	10.0331925	37	9.5849685	9.6197205	10.0347520
8	9.5760685	9.6093124	10.0332438	38	9.5852716	9.6200762	10.0348047
9	9.5763790	9.6096742	10.0332952	39	9.5855745	9.6204318	10.0348574
10	9.5766892	9.6100359	10.0333467	40	9.5858771	9.6207872	10.0349101
11	9.5769991	9.6103973	10.0333982	41	9.5861795	9.6211423	10.0349629
12	9.5773088	9.6107586	10.0334497	42	9.5864816	9.6214973	10.0350157
13	9.5776183	9.6111196	10.0335013	43	9.5867835	9.6218520	10.0350686
14	9.5779275	9.6114804	10.0335529	44	9.5870851	9.6222066	10.0351215
15	9.5782364	9.6118409	10.0336046	45	9.5873865	9.6225609	10.0351744
16	9.5785450	9.6122013	10.0336563	46	9.5876876	9.6229150	10.0352274
17	9.5788535	9.6125615	10.0337080	47	9.5879885	9.6232690	10.0352805
18	9.5791616	9.6129214	10.0337598	48	9.5882892	9.6236227	10.0353335
19	9.5794695	9.6132812	10.0338116	49	9.5885896	9.6239763	10.0353867
20	9.5797772	9.6136407	10.0338635	50	9.5888897	9.6243296	10.0354398
21	9.5800845	9.6140000	10.0339154	51	9.5891897	9.6246827	10.0354931
22	9.5803917	9.6143591	10.0339674	52	9.5894893	9.6250356	10.0355463
23	9.5806986	9.6147180	10.0340194	53	9.5897888	9.6253884	10.0355996
24	9.5810052	9.6150766	10.0340715	54	9.5900880	9.6257409	10.0356530
25	9.5813116	9.6154351	10.0341236	55	9.5903869	9.6260932	10.0357063
26	9.5816177	9.6157934	10.0341757	56	9.5906856	9.6264454	10.0357598
27	9.5819236	9.6161514	10.0342279	57	9.5909841	9.6267973	10.0358132
28	9.5822292	9.6165093	10.0342801	58	9.5912823	9.6271491	10.0358668
29	9.5825345	9.6168669	10.0343323	59	9.5915803	9.6275006	100.359203
30	9.5828397	9.6172243	10.0343847	60	9.5918780	9.6278519	10.0359739

Minut.	23 Grados. Senos.	Tangentes.	Secantes.	Minut.	23 Grados. Senos.	Tangentes.	Secantes.
0	9.5918780	9.6278519	10.0359739	30	9.6006997	9.6383019	10.0376022
1	9.5921755	9.6282031	10.0360276	31	9.6009901	9.6386473	10.0376572
2	9.5924728	9.6285540	10.0360813	32	9.6012803	9.6389925	10.0377122
3	9.5927698	9.6289048	10.0361350	33	9.6015703	9.6393375	10.0377672
4	9.5930666	9.6292553	10.0361888	34	9.6018600	9.6396823	10.0378223
5	9.5933631	9.6296057	10.0362426	35	9.6021495	9.6400269	10.0378774
6	9.5936594	9.6299558	10.0362964	36	9.6024388	9.6403714	10.0379326
7	9.5939555	9.6303058	10.0363504	37	9.6027278	9.6407156	10.0379878
8	9.5942513	9.6306556	10.0364043	38	9.6030166	9.6410597	10.0380431
9	9.5945469	9.6310052	10.0364583	39	9.6033052	9.6414036	10.0380984
10	9.5948422	9.6313545	10.0365123	40	9.6035936	9.6417473	10.0381537
11	9.5951373	9.6317037	10.0365664	41	9.6038817	9.6420908	10.0382091
12	9.5954322	9.6320527	10.0366205	42	9.6041696	9.6424342	10.0382645
13	9.5957268	9.6324015	10.0366747	43	9.6044573	9.6427773	10.0383200
14	9.5960212	9.6327501	10.0367289	44	9.6047448	9.6431203	10.0383755
15	9.5963154	9.6330985	10.0367832	45	9.6050320	9.6434631	10.0384311
16	9.5966093	9.6334468	10.0368375	46	9.6053190	9.6438057	10.0384867
17	9.5969030	9.6337948	10.0368918	47	9.6056057	9.6441481	10.0385424
18	9.5971965	9.6341426	10.0369462	48	9.6058923	9.6444903	10.0385980
19	9.5974897	9.6344903	10.0370006	49	9.6061786	9.6448324	10.0386538
20	9.5977827	9.6348378	10.0370551	50	9.6064647	9.6451743	10.0387096
21	9.5980754	9.6351850	10.0371096	51	9.6067506	9.6455160	10.0387654
22	9.5983679	9.6355321	10.0371642	52	9.6070362	9.6458575	10.0388213
23	9.5986602	9.6358790	10.0372188	53	9.6073216	9.6461988	10.0388772
24	9.5989523	9.6362257	10.0372734	54	9.6076068	9.6465400	10.0389332
25	9.5992441	9.6365722	10.0373281	55	9.6078918	9.6468810	10.0389892
26	9.5995357	9.6369185	10.0373828	56	9.6081765	9.6472217	10.0390452
27	9.5998270	9.6372646	10.0374376	57	9.6084611	9.6475624	10.0391013
28	9.6001181	9.6376106	10.0374924	58	9.6087454	9.6479028	10.0391574
29	9.6004090	9.6379563	10.0375473	59	9.6090294	9.6482431	10.0392136
30	9.6006997	9.6383019	10.0376022	60	9.6093133	9.6485831	10.0392698

Minut.	24 Grados. Senos.	Tangentes.	Secantes.	Minut.	24 Grados. Senos.	Tangentes.	Secantes.
0	9.6093133	9.6485831	10.0392698	30	9.6177270	9.6587041	10.0409771
1	9.6095969	9.6489230	10.0393261	31	9.6180041	9.6590387	10.0410347
2	9.6098803	9.6492628	10.0393824	32	9.6182809	9.6593733	10.0410923
3	9.6101635	9.6496023	10.0394388	33	9.6185576	9.6597076	10.0411500
4	9.6104465	9.6499417	10.0394952	34	9.6188341	9.6600418	10.0412077
5	9.6107293	9.6502809	10.0395516	35	9.6191103	9.6603758	10.0412655
6	9.6110118	9.6506199	10.0396081	36	9.6193864	9.6607097	10.0413233
7	9.6112941	9.6509587	10.0396646	37	9.6196622	9.6610434	10.0413812
8	9.6115762	9.6512974	10.0397212	38	9.6199378	9.6613769	10.0414391
9	9.6118580	9.6516359	10.0397778	39	9.6202132	9.6617103	10.0414970
10	9.6121397	9.6519742	10.0398345	40	9.6204884	9.6620434	10.0415550
11	9.6124211	9.6523123	10.0398912	41	9.6207634	9.6623765	10.0416131
12	9.6127023	9.6526503	10.0399480	42	9.6210382	9.6627093	10.0416712
13	9.6129833	9.6529881	10.0400048	43	9.6213127	9.6630420	10.0417293
14	9.6132641	9.6533257	10.0400616	44	9.6215871	9.6633745	10.0417875
15	9.6135446	9.6536631	10.0401185	45	9.6218612	9.6637069	10.0418457
16	9.6138250	9.6540004	10.0401754	46	9.6221351	9.6640391	10.0419039
17	9.6141051	9.6543375	10.0402324	47	9.6224088	9.6643711	10.0419622
18	9.6143850	9.6546744	10.0402894	48	9.6226824	9.6647030	10.0420206
19	9.6146647	9.6550112	10.0403465	49	9.6229557	9.6650346	10.0420790
20	9.6149441	9.6553477	10.0404036	50	9.6232287	9.6653662	10.0421374
21	9.6152234	9.6556841	10.0404607	51	9.6235016	9.6656975	10.0421959
22	9.6155024	9.6560204	10.0405179	52	9.6237743	9.6660288	10.0422544
23	9.6157812	9.6563564	10.0405752	53	9.6240468	9.6663598	10.0423130
24	9.6160599	9.6566923	10.0406325	54	9.6243190	9.6666907	10.0423716
25	9.6163382	9.6570280	10.0406898	55	9.6245911	9.6670214	10.0424303
26	9.6166164	9.6573636	10.0407472	56	9.6248629	9.6673519	10.0424890
27	9.6168944	9.6576989	10.0408046	57	9.6251346	9.6676823	10.0425478
28	9.6171721	9.6580341	10.0408620	58	9.6254060	9.6680126	10.0426066
29	9.6174496	9.6583692	10.0409195	59	9.6256772	9.6683426	10.0426654
30	9.6177270	9.6587041	10.0409771	60	9.6259483	9.6686725	10.0427243

Minut.	25 Gradus. Senos.	Tangentes.	Secantes.	Minut.	25 Grados. Senos.	Tangentes.	Secantes.
0	9.6259483	9.6686725	10.0427243	30	9.6339844	9.6784961	10.0445118
1	9.6262191	9.6690023	10.0427832	31	9.6342491	9.6788211	10.0445720
2	9.6264897	9.6693319	10.0428422	32	9.6345137	9.6791460	10.0446324
3	9.6267601	9.6696613	10.0429012	33	9.6347780	9.6794708	10.0446927
4	9.6270303	9.6699906	10.0429603	34	9.6350422	9.6797953	10.0447531
5	9.6273003	9.6703197	10.0430194	35	9.6353062	9.6801198	10.0448136
6	9.6275701	9.6706486	10.0430785	36	9.6355699	9.6804440	10.0448741
7	9.6278397	9.6709774	10.0431377	37	9.6358335	9.6807682	10.0449347
8	9.6281090	9.6713060	10.0431970	38	9.6360969	9.6810921	10.0449953
9	9.6283782	9.6716345	10.0432563	39	9.6363601	9.6814160	10.0450559
10	9.6286472	9.6719628	10.0433156	40	9.6366231	9.6817396	10.0451166
11	9.6289160	9.6722910	10.0433750	41	9.6368859	9.6820632	10.0451773
12	9.6291845	9.6726190	10.0434344	42	9.6371484	9.6823865	10.0452381
13	9.6294529	9.6729468	10.0434939	43	9.6374108	9.6827098	10.0452989
14	9.6297211	9.6732745	10.0435534	44	9.6376731	9.6830328	10.0453598
15	9.6299890	9.6736020	10.0436130	45	9.6379351	9.6833557	10.0454207
16	9.6302568	9.6739294	10.0436726	46	9.6381969	9.6836785	10.0454816
17	9.6305243	9.6742566	10.0437322	47	9.6384585	9.6840011	10.0455426
18	9.6307917	9.6745836	10.0437919	48	9.6387199	9.6843236	10.0456037
19	9.6310589	9.6749105	10.0438517	49	9.6389812	9.6846459	10.0456648
20	9.6313258	9.6752372	10.0439114	50	9.6392422	9.6849681	10.0457259
21	9.6315926	9.6755638	10.0439713	51	9.6395030	9.6852901	10.0457871
22	9.6318591	9.6758903	10.0440311	52	9.6397637	9.6856120	10.0458483
23	9.6321255	9.6762165	10.0440911	53	9.6400241	9.6859338	10.0459096
24	9.6323916	9.6765426	10.0441510	54	9.6402844	9.6862553	10.0459709
25	9.6326576	9.6768686	10.0442110	55	9.6405445	9.6865768	10.0460323
26	9.6329233	9.6771944	10.0442711	56	9.6408044	9.6868981	10.0460937
27	9.6331889	9.6775201	10.0443312	57	9.6410640	9.6872192	10.0461552
28	9.6334542	9.6778456	10.0443913	58	9.6413235	9.6875402	10.0462167
29	9.6337194	9.6781709	10.0444515	59	9.6415828	9.6878611	10.0462782
30	9.6339844	9.6784961	10.0445118	60	9.6418420	9.6881818	10.0463398

Minut.	(28) 26 Grados. Senos.	Tangentes.	Secantes.	Minut.	26 Grados. Senos.	Tangentes.	Secantes.
0	9.6418420	9.6881818	10.0463398	30	9.6495274	9.6977363	10.0482088
1	9.6421009	9.6885023	10.0464015	31	9.6497807	9.6980526	10.0482718
2	9.6423596	9.6888227	10.0464631	32	9.6500338	9.6983687	10.0483349
3	9.6426182	9.6891430	10.0465249	33	9.6502868	9.6986847	10.0483980
4	9.6428765	9.6894631	10.0465866	34	9.6505395	9.6990006	10.0484611
5	9.6431347	9.6897831	10.0466485	35	9.6507920	9.6993164	10.0485243
6	9.6433926	9.6901030	10.0467103	36	9.6510444	9.6996320	10.0485876
7	9.6436504	9.6904226	10.0467722	37	9.6512966	9.6999474	10.0486508
8	9.6439080	9.6907422	10.0468342	38	9.6515486	9.7002628	10.0487142
9	9.6441654	9.6910616	10.0468962	39	9.6518004	9.7005780	10.0487776
10	9.6444226	9.6913809	10.0469582	40	9.6520521	9.7008930	10.0488410
11	9.6446796	9.6917000	10.0470203	41	9.6523035	9.7012080	10.0489044
12	9.6449365	9.6920189	10.0470825	42	9.6525548	9.7015227	10.0489680
13	9.6451931	9.6923378	10.0471447	43	9.6528059	9.7018374	10.0490315
14	9.6454496	9.6926565	10.0472069	44	9.6530568	9.7021519	10.0490951
15	9.6457058	9.6929750	10.0472692	45	9.6533075	9.7024663	10.0491588
16	9.6459619	9.6932934	10.0473315	46	9.6535581	9.7027805	10.0492225
17	9.6462178	9.6936117	10.0473939	47	9.6538084	9.7030946	10.0492862
18	9.6464735	9.6939298	10.0474563	48	9.6540586	9.7034086	10.0493500
19	9.6467290	9.6942478	10.0475187	49	9.6543086	9.7037225	10.0494139
20	9.6469844	9.6945656	10.0475812	50	9.6545584	9.7040362	10.0494777
21	9.6472395	9.6948833	10.0476438	51	9.6548081	9.7043497	10.0495417
22	9.6474945	9.6952009	10.0477064	52	9.6550575	9.7046632	10.0496056
23	9.6477492	9.6955183	10.0477690	53	9.6553068	9.7049765	10.0496697
24	9.6480038	9.6958355	10.0478317	54	9.6555559	9.7052897	10.0497337
25	9.6482582	9.6961527	10.0478945	55	9.6558048	9.7056027	10.0497978
26	9.6485124	9.6964697	10.0479572	56	9.6560536	9.7059156	10.0498620
27	9.6487665	9.6967865	10.0480201	57	9.6563021	9.7062284	10.0499262
28	9.6490203	9.6971032	10.0480829	58	9.6565505	9.7065410	10.0499905
29	9.6492740	9.6974198	10.0481459	59	9.6567987	9.7068535	100.500548
30	9.6495274	9.6977363	10.0482088	60	9.6570468	9.7071659	10.0501191

Minut.	27 Gradus. Senos.	Tangentes.	Secantes.	Minut.	27 Gradus. Senos.	Tangentes.	Secantes.
0	9.6570468	9.7071659	10.0501191	30	9.6644056	9.7164767	10.0520711
1	9.6572946	9.7074781	10.0501835	31	9.6646482	9.7167851	10.0521369
2	9.6575423	9.7077902	10.0502479	32	9.6648906	9.7170933	10.0522027
3	9.6577898	9.7081022	10.0503124	33	9.6651329	9.7174014	10.0522686
4	9.6580371	9.7084141	10.0503770	34	9.6653749	9.7177094	10.0523345
5	9.6582842	9.7087258	10.0504415	35	9.6656168	9.7180173	10.0524005
6	9.6585312	9.7090374	10.0505062	36	9.6658586	9.7183251	10.0524665
7	9.6587780	9.7093488	10.0505708	37	9.6661001	9.7186327	10.0525326
8	9.6590246	9.7096601	10.0506355	38	9.6663415	9.7189402	10.0525987
9	9.6592710	9.7099713	10.0507003	39	9.6665828	9.7192476	10.0526648
10	9.6595173	9.7102824	10.0507651	40	9.6668238	9.7195549	10.0527311
11	9.6597633	9.7105933	10.0508300	41	9.6670647	9.7198620	10.0527973
12	9.6600093	9.7109041	10.0508949	42	9.6673054	9.7201690	10.0528636
13	9.6602550	9.7112148	10.0509598	43	9.6675459	9.7204759	10.0529300
14	9.6605005	9.7115254	10.0510248	44	9.6677863	9.7207827	10.0529964
15	9.6607459	9.7118358	10.0510899	45	9.6680265	9.7210893	10.0530628
16	9.6609911	9.7121461	10.0511550	46	9.6682665	9.7213958	10.0531293
17	9.6612361	9.7124562	10.0512201	47	9.6685064	9.7217022	10.0531958
18	9.6614810	9.7127662	10.0512853	48	9.6687461	9.7220085	10.0532624
19	9.6617257	9.7130761	10.0513505	49	9.6689856	9.7223147	10.0533290
20	9.6619702	9.7133859	10.0514158	50	9.6692250	9.7226207	10.0533957
21	9.6622145	9.7136956	10.0514811	51	9.6694642	9.7229266	10.0534624
22	9.6624586	9.7140051	10.0515465	52	9.6697032	9.7232324	10.0535292
23	9.6627026	9.7143145	10.0516119	53	9.6699420	9.7235381	10.0535960
24	9.6629464	9.7146237	10.0516773	54	9.6701807	9.7238436	10.0536629
25	9.6631900	9.7149329	10.0517428	55	9.6704192	9.7241490	10.0537298
26	9.6634335	9.7152419	10.0518084	56	9.6706576	9.7244543	10.0537968
27	9.6636768	9.7155508	10.0518740	57	9.6708958	9.7247595	10.0538638
28	9.6639199	9.7158595	10.0519396	58	9.6711338	9.7250646	10.0539308
29	9.6641628	9.7161682	10.0520053	59	9.6713716	9.7253695	10.0539979
30	9.6644056	9.7164767	10.0520711	60	9.6716093	9.7256744	10.0540651

Minut.	28 Grados. Senos.	Tangentes.	Secantes.	Minut.	28, Grados. Senos.	Tangentes.	Secantes.
0	9.6716093	9.7256744	10.0540651	30	9.6786629	9.7347644	10.0561015
1	9.6718468	9.7259791	10.0541323	31	9.6788955	9.7350656	10.0561701
2	9.6720841	9.7262837	10.0541995	32	9.6791279	9.7353667	10.0562388
3	9.6723213	9.7265881	10.0542668	33	9.6793602	9.7356677	10.0563075
4	9.6725583	9.7268925	10.0543341	34	9.6795923	9.7359685	10.0563762
5	9.6727952	9.7271967	10.0544015	35	9.6798243	9.7362693	10.0564451
6	9.6730319	9.7275008	10.0544690	36	9.6800560	9.7365699	10.0565139
7	9.6732684	9.7278048	10.0545364	37	9.6802877	9.7368705	10.0565828
8	9.6735047	9.7281087	10.0546040	38	9.6805191	9.7371709	10.0566518
9	9.6737409	9.7284124	10.0546715	39	9.6807504	9.7374712	10.0567208
10	9.6739769	9.7287161	10.0547391	40	9.6809816	9.7377714	10.0567898
11	9.6742128	9.7290196	10.0548068	41	9.6812126	9.7380715	10.0568589
12	9.6744485	9.7293230	10.0548745	42	9.6814434	9.7383714	10.0569280
13	9.6746840	9.7296263	10.0549423	43	9.6816741	9.7386713	10.0569972
14	9.6749194	9.7299295	10.0550101	44	9.6819046	9.7389710	10.0570665
15	9.6751546	9.7302325	10.0550780	45	9.6821349	9.7392707	10.0571357
16	9.6753896	9.7305354	10.0551459	46	9.6823651	9.7395702	10.0572051
17	9.6756245	9.7308383	10.0552138	47	9.6825952	9.7398696	10.0572745
18	9.6758592	9.7311410	10.0552818	48	9.6828250	9.7401689	10.0573439
19	9.6760937	9.7314436	10.0553499	49	9.6830548	9.7404681	10.0574134
20	9.6763281	9.7317460	10.0554179	50	9.6832843	9.7407672	10.0574829
21	9.6765623	9.7320484	10.0554861	51	9.6835137	9.7410662	10.0575524
22	9.6767963	9.7323506	10.0555543	52	9.6837430	9.7413650	10.0576221
23	9.6770302	9.7326527	10.0556225	53	9.6839720	9.7416638	10.0576917
24	9.6772640	9.7329547	10.0556908	54	9.6842010	9.7419624	10.0577614
25	9.6774975	9.7332566	10.0557591	55	9.6844297	9.7422609	10.0578312
26	9.6777309	9.7335584	10.0558275	56	9.6846583	9.7425594	10.0579010
27	9.6779642	9.7338601	10.0558959	57	9.6848868	9.7428577	10.0579709
28	9.6781972	9.7341616	10.0559644	58	9.6851151	9.7431559	10.0580408
29	9.6784301	9.7344631	10.0560329	59	9.6853432	9.7434540	10.0581107
30	9.6786629	9.7347644	10.0561015	60	9.6855712	9.7437520	10.0581807

Minut.	29 Grados. Senos.	Tangentes.	Secantes.	Minut.	29 Grados. Senos.	Tangentes.	Secantes.
0	9.6855712	9.7437520	10.0581807	30	9.6923388	9.7526420	10.0603032
1	9.6857991	9.7440499	10.0582508	31	9.6925620	9.7529368	10.0603747
2	9.6860267	9.7443476	10.0583209	32	9.6927851	9.7532314	10.0604463
3	9.6862542	9.7446453	10.0583910	33	9.6930080	9.7535259	10.0605179
4	9.6864816	9.7449428	10.0584612	34	9.6932308	9.7538203	10.0605895
5	9.6867088	9.7452403	10.0585315	35	9.6934534	9.7541146	10.0606612
6	9.6869359	9.7455376	10.0586018	36	9.6936758	9.7544088	10.0607329
7	9.6871628	9.7458349	10.0586721	37	9.6938981	9.7547029	10.0608047
8	9.6873895	9.7461320	10.0587425	38	9.6941203	9.7549969	10.0608766
9	9.6876161	9.7464290	10.0588129	39	9.6943423	9.7552908	10.0609485
10	9.6878425	9.7467259	10.0588834	40	9.6945642	9.7555846	10.0610204
11	9.6880688	9.7470227	10.0589539	41	9.6947859	9.7558783	10.0610924
12	9.6882949	9.7473194	10.0590245	42	9.6950074	9.7561718	10.0611644
13	9.6885209	9.7476160	10.0590952	43	9.6952288	9.7564653	10.0612365
14	9.6887467	9.7479125	10.0591658	44	9.6954501	9.7567587	10.0613086
15	9.6889723	9.7482089	10.0592366	45	9.6956712	9.7570520	10.0613808
16	9.6891978	9.7485052	10.0593073	46	9.6958922	9.7573452	10.0614530
17	9.6894232	9.7488013	10.0593781	47	9.6961130	9.7576383	10.0615253
18	9.6896484	9.7490974	10.0594490	48	9.6963336	9.7579313	10.0615976
19	9.6898734	9.7493934	10.0595199	49	9.6965541	9.7582242	10.0616700
20	9.6900983	9.7496892	10.0595909	50	9.6967745	9.7585170	10.0617424
21	9.6903231	9.7499850	10.0596619	51	9.6969947	9.7588096	10.0618149
22	9.6905476	9.7502806	10.0597330	52	9.6972148	9.7591022	10.0618874
23	9.6907721	9.7505762	10.0598041	53	9.6974347	9.7593947	10.0619600
24	9.6909964	9.7508716	10.0598752	54	9.6976545	9.7596871	10.0620326
25	9.6912205	9.7511669	10.0599465	55	9.6978741	9.7599794	10.0621053
26	9.6914445	9.7514622	10.0600177	56	9.6980936	9.7602716	10.0621780
27	9.6916683	9.7517573	10.0600890	57	9.6983129	9.7605637	10.0622508
28	9.6918919	9.7520523	10.0601604	58	9.6985321	9.7608557	10.0623236
29	9.6921155	9.7523472	10.0602318	59	9.6987511	9.7611476	10.0623965
30	9.6923388	9.7526420	10.0603032	60	9.6989700	9.7614394	10.0624694

Minut.	(32) 30 Grados. Senos.	Tangentes.	Secantes.	Minut.	30 Grados. Senos.	Tangentes.	Secantes.
0	9.6989700	9.7614394	10.0624694	30	9.7054689	9.7701485	10.0646796
1	9.6991887	9.7617311	10.0625423	31	9.7056833	9.7704373	10.0647541
2	9.6994073	9.7620227	10.0626153	32	9.7058975	9.7707261	10.0648285
3	9.6996258	9.7623142	10.0626884	33	9.7061116	9.7710147	10.0649031
4	9.6998441	9.7626056	10.0627615	34	9.7063256	9.7713033	10.0649777
5	9.7000622	9.7628969	10.0628347	35	9.7065394	9.7715917	10.0650523
6	9.7002802	9.7631881	10.0629079	36	9.7067531	9.7718801	10.0651270
7	9.7004981	9.7634792	10.0629811	37	9.7069667	9.7721684	10.0652017
8	9.7007158	9.7637702	10.0630544	38	9.7071801	9.7724566	10.0652765
9	9.7009334	9.7640612	10.0631278	39	9.7073933	9.7727447	10.0653514
10	9.7011508	9.7643520	10.0632012	40	9.7076064	9.7730327	10.0654262
11	9.7013681	9.7646427	10.0632746	41	9.7078194	9.7733206	10.0655012
12	9.7015852	9.7649334	10.0633481	42	9.7080323	9.7736084	10.0655762
13	9.7018022	9.7652239	10.0634217	43	9.7082450	9.7738961	10.0656512
14	9.7020190	9.7655143	10.0634953	44	9.7084575	9.7741838	10.0657263
15	9.7022357	9.7658047	10.0635689	45	9.7086699	9.7744713	10.0658014
16	9.7024523	9.7660949	10.0636426	46	9.7088822	9.7747588	10.0658766
17	9.7026687	9.7663851	10.0637164	47	9.7090943	9.7750462	10.0659518
18	9.7028849	9.7666751	10.0637902	48	9.7093063	9.7753334	10.0660271
19	9.7031011	9.7669651	10.0638640	49	9.7095182	9.7756206	10.0661024
20	9.7033170	9.7672550	10.0639379	50	9.7097299	9.7759077	10.0661778
21	9.7035329	9.7675448	10.0640119	51	9.7099415	9.7761947	10.0662533
22	9.7037486	9.7678344	10.0640859	52	9.7101529	9.7764816	10.0663287
23	9.7039641	9.7681240	10.0641599	53	9.7103642	9.7767685	10.0664043
24	9.7041795	9.7684135	10.0642340	54	9.7105753	9.7770552	10.0664799
25	9.7043947	9.7687029	10.0643082	55	9.7107863	9.7773418	10.0665555
26	9.7046099	9.7689922	10.0643823	56	9.7109972	9.7776284	10.0666312
27	9.7048248	9.7692814	10.0644566	57	9.7112080	9.7779149	10.0667069
28	9.7050397	9.7695705	10.0645309	58	9.7114186	9.7782012	10.0667827
29	9.7052543	9.7698596	100.646052	59	9.7116290	9.7784875	10.0668585
30	9.7054689	9.7701485	10.0646796	60	9.7118393	9.7787737	10.0669344

Minut.	31 Grados. Senos.	Tangentes.	Secantes.	Minut.	31 Grados. Senos.	Tangentes.	Secantes.
0	9.7118393	9.7787737	10.0669344	30	9.7180851	9.7873193	10.0692342
1	9.7120495	9.7790599	10.0670103	31	9.7182912	9.7876028	10.0693117
2	9.7122596	9.7793459	10.0670863	32	9.7184971	9.7878863	10.0693891
3	9.7124695	9.7796318	10.0671624	33	9.7187030	9.7881696	10.0694667
4	9.7126792	9.7799177	10.0672384	34	9.7189086	9.7884529	10.0695443
5	9.7128889	9.7802034	10.0673146	35	9.7191142	9.7887361	10.0696219
6	9.7130983	9.7804891	10.0673908	36	9.7193196	9.7890192	10.0696996
7	9.7133077	9.7807747	10.0674670	37	9.7195249	9.7893023	10.0697774
8	9.7135169	9.7810602	10.0675433	38	9.7197300	9.7895852	10.0698552
9	9.7137260	9.7813456	10.0676196	39	9.7199350	9.7898681	10.0699330
10	9.7139349	9.7816309	10.0676960	40	9.7201399	9.7901508	10.0700109
11	9.7141437	9.7819162	10.0677724	41	9.7203447	9.7904335	10.0700888
12	9.7143524	9.7822013	10.0678489	42	9.7205493	9.7907161	10.0701668
13	9.7145609	9.7824864	10.0679254	43	9.7207538	9.7909987	10.0702449
14	9.7147693	9.7827713	10.0680020	44	9.7209581	9.7912811	10.0703230
15	9.7149776	9.7830562	10.0680787	45	9.7211623	9.7915635	10.0704011
16	9.7151857	9.7833410	10.0681553	46	9.7213664	9.7918458	10.0704793
17	9.7153937	9.7836258	10.0682321	47	9.7215704	9.7921280	10.0705576
18	9.7156015	9.7839104	10.0683089	48	9.7217742	9.7924101	10.0706359
19	9.7158092	9.7841949	10.0683857	49	9.7219779	9.7926921	10.0707143
20	9.7160168	9.7844794	10.0684626	50	9.7221814	9.7929741	10.0707927
21	9.7162243	9.7847638	10.0685395	51	9.7223848	9.7932560	10.0708711
22	9.7164316	9.7850481	10.0686165	52	9.7225881	9.7935378	10.0709496
23	9.7166387	9.7853323	10.0686935	53	9.7227913	9.7938195	10.0710282
24	9.7168458	9.7856164	10.0687706	54	9.7229943	9.7941011	10.0711068
25	9.7170526	9.7859004	10.0688478	55	9.7231972	9.7943827	10.0711855
26	9.7172594	9.7861844	10.0689250	56	9.7234000	9.7946641	10.0712642
27	9.7174660	9.7864682	10.0690022	57	9.7236026	9.7949455	10.0713429
28	9.7176725	9.7867520	10.0690795	58	9.7238051	9.7952268	10.0714217
29	9.7178789	9.7870357	10.0691568	59	9.7240075	9.7955081	10.0715006
30	9.7180851	9.7873193	10.0692342	60	9.7242097	9.7957892	10.0715795

Minut.	32 Grados. Senos.	Tangentes.	Secantes.	Minut.	32 Grados. Senos.	Tangentes.	Secantes.
0	9.7242097	9.7957892	10.0715795	30	9.7302165	9.8041873	10.0739708
1	9.7244118	9.7960703	10.0716585	31	9.7304148	9.8044661	10.0740513
2	9.7246138	9.7963513	10.0717375	32	9.7306129	9.8047447	10.0741319
3	9.7248156	9.7966322	10.0718166	33	9.7308109	9.8050233	10.0742125
4	9.7250174	9.7969130	10.0718957	34	9.7310087	9.8053019	10.0742931
5	9.7252189	9.7971938	10.0719749	35	9.7312064	9.8055803	10.0743739
6	9.7254204	9.7974745	10.0720541	36	9.7314040	9.8058587	10.0744546
7	9.7256217	9.7977551	10.0721334	37	9.7316015	9.8061370	10.0745354
8	9.7258229	9.7980356	10.0722127	38	9.7317989	9.8064152	10.0746163
9	9.7260240	9.7983160	10.0722921	39	9.7319961	9.8066933	10.0746972
10	9.7262249	9.7985964	10.0723715	40	9.7321932	9.8069714	10.0747782
11	9.7264257	9.7988767	10.0724510	41	9.7323902	9.8072494	10.0748592
12	9.7266264	9.7991569	10.0725305	42	9.7325870	9.8075273	10.0749403
13	9.7268269	9.7994370	10.0726101	43	9.7327837	9.8078052	10.0750214
14	9.7270273	9.7997170	10.0726897	44	9.7329803	9.8080829	10.0751026
15	9.7272276	9.7999970	10.0727694	45	9.7331768	9.8083606	10.0751839
16	9.7274278	9.8002769	10.0728491	46	9.7333731	9.8086383	10.0752651
17	9.7276278	9.8005567	10.0729289	47	9.7335693	9.8089158	10.0753465
18	9.7278277	9.8008365	10.0730087	48	9.7337654	9.8091933	10.0754279
19	9.7280275	9.8011161	10.0730886	49	9.7339614	9.8094707	10.0755093
20	9.7282271	9.8013957	10.0731686	50	9.7341572	9.8097480	10.0755908
21	9.7284267	9.8016752	10.0732486	51	9.7343529	9.8100253	10.0756723
22	9.7286260	9.8019546	10.0733286	52	9.7345485	9.8103025	10.0757539
23	9.7288253	9.8022340	10.0734087	53	9.7347440	9.8105796	10.0758356
24	9.7290244	9.8025133	10.0734888	54	9.7349393	9.8108566	10.0759173
25	9.7292234	9.8027925	10.0735690	55	9.7351345	9.8111336	10.0759990
26	9.7294223	9.8030716	10.0736493	56	9.7353296	9.8114105	10.0760809
27	9.7296211	9.8033506	10.0737296	57	9.7355246	9.8116873	10.0761627
28	9.7298197	9.8036296	10.0738099	58	9.7357195	9.8119641	10.0762446
29	9.7300182	9.8039085	10.0738904	59	9.7359142	9.8122408	10.0763266
30	9.7302165	9.8041873	10.0739708	60	9.7361088	9.8125174	10.0764086

Minut.	33 Grados. Senos.	Tangentes.	Secantes.	Minut.	33 Grados. Senos.	Tangentes.	Secantes.
0	9.7361088	9.8125174	10.0764086	30	9.7418895	9.8207829	10.0788934
1	9.7363032	9.8127939	10.0764907	31	9.7420803	9.8210574	10.0789771
2	9.7364976	9.8130704	10.0765728	32	9.7422710	9.8213317	10.0790607
3	9.7366918	9.8133468	10.0766550	33	9.7424616	9.8216060	10.0791445
4	9.7368859	9.8136231	10.0767372	34	9.7426520	9.8218803	10.0792283
5	9.7370799	9.8138993	10.0768195	35	9.7428423	9.8221545	10.0793122
6	9.7372737	9.8141755	10.0769018	36	9.7430325	9.8224286	10.0793961
7	9.7374675	9.8144516	10.0769842	37	9.7432226	9.8227026	10.0794800
8	9.7376611	9.8147277	10.0770666	38	9.7434126	9.8229766	10.0795640
9	9.7378546	9.8150036	10.0771491	39	9.7436024	9.8232505	10.0796481
10	9.7380479	9.8152795	10.0772316	40	9.7437921	9.8235244	10.0797322
11	9.7382412	9.8155554	10.0773142	41	9.7439817	9.8237981	10.0798164
12	9.7384343	9.8158311	10.0773968	42	9.7441712	9.8240719	10.0799006
13	9.7386273	9.8161068	10.0774795	43	9.7443606	9.8243455	10.0799849
14	9.7388201	9.8163824	10.0775623	44	9.7445498	9.8246191	10.0800692
15	9.7390129	9.8166580	10.0776451	45	9.7447390	9.8248926	10.0801536
16	9.7392055	9.8169335	10.0777279	46	9.7449280	9.8251660	10.0802381
17	9.7393980	9.8172089	10.0778109	47	9.7451169	9.8254394	10.0803225
18	9.7395904	9.8174842	10.0778938	48	9.7453056	9.8257127	10.0804071
19	9.7397827	9.8177595	10.0779768	49	9.7454943	9.8259860	10.0804917
20	9.7399748	9.8180347	10.0780599	50	9.7456828	9.8262592	10.0805763
21	9.7401668	9.8183098	10.0781430	51	9.7458712	9.8265323	10.0806610
22	9.7403587	9.8185849	10.0782262	52	9.7460595	9.8268053	10.0807458
23	9.7405505	9. 188599	10.0783094	53	9.7462477	9.8270783	10.0808306
24	9.7407421	9.8191348	10.0783927	54	9.7464358	9.8273513	10.0809155
25	9.7409337	9.8194096	10.0784760	55	9.7466237	9.8276241	10.0810004
26	9.7411251	9.8196844	10.0785594	56	9.7468115	9.8278969	10.0810854
27	9.7413164	9.8199592	10.0786428	57	9.7469992	9.8281696	10.0811704
28	9.7415075	9.8202338	10.0787263	58	9.7471868	9.8284423	10.0812555
29	9.7416986	9.8205084	10.0788098	59	9.7473743	9.8287149	10.0813406
30	9.7418895	9.8207829	10.0788934	60	9.7475617	9.8289874	10.0814258

Minut.	(36) 34 Grados. Senos.	Tangentes.	Secantes.	Minut.	34 Grados. Senos.	Tangentes.	Secantes.
0	9.7475617	9.8289874	10.0814258	30	9.7531280	9.8371343	10.0840063
1	9.7477489	9.8292599	10.0815110	31	9.7533118	9.8374049	10.0840931
2	9.7479360	9.8295323	10.0815963	32	9.7534954	9.8376755	10.0841800
3	9.7481230	9.8298047	10.0816817	33	9.7536790	9.8379460	10.0842670
4	9.7483099	9.8300769	10.0817671	34	9.7538624	9.8382164	10.0843540
5	9.7484967	9.8303492	10.0818525	35	9.7540457	9.8384867	10.0844411
6	9.7486833	9.8306213	10.0819380	36	9.7542288	9.8387571	10.0845282
7	9.7488698	9.8308934	10.0820236	37	9.7544119	9.8390273	10.0846154
8	9.7490562	9.8311654	10.0821092	38	9.7545949	9.8392975	10.0847026
9	9.7492425	9.8314374	10.0821949	39	9.7547777	9.8395676	10.0847899
10	9.7494287	9.8317093	10.0822806	40	9.7549604	9.8398377	10.0848772
11	9.7496148	9.8319811	10.0823664	41	9.7551431	9.8401077	10.0849646
12	9.7498007	9.8322529	10.0824522	42	9.7553256	9.8403776	10.0850521
13	9.7499866	9.8325246	10.0825381	43	9.7555080	9.8406475	10.0851396
14	9.7501723	9.8327963	10.0826240	44	9.7556902	9.8409174	10.0852271
15	9.7503579	9.8330679	10.0827100	45	9.7558724	9.8411871	10.0853148
16	9.7505434	9.8333394	10.0827960	46	9.7560544	9.8414569	10.0854024
17	9.7507287	9.8336109	10.0828821	47	9.7562364	9.8417265	10.0854901
18	9.7509140	9.8338823	10.0829683	48	9.7564182	9.8419961	10.0855779
19	9.7510991	9.8341536	10.0830545	49	9.7565999	9.8422657	10.0856658
20	9.7512842	9.8344249	10.0831407	50	9.7567815	9.8425351	10.0857536
21	9.7514691	9.8346961	10.0832270	51	9.7569630	9.8428046	10.0858416
22	9.7516538	9.8349673	10.0833134	52	9.7571444	9.8430739	10.0859296
23	9.7518385	9.8352384	10.0833998	53	9.7573256	9.8433432	10.0860176
24	9.7520231	9.8355094	10.0834863	54	9.7575068	9.8436125	10.0861057
25	9.7522075	9.8357804	10.0835728	55	9.7576878	9.8438817	10.0861939
26	9.7523919	9.8360513	10.0836594	56	9.7578687	9.8441508	10.0862821
27	9.7525761	9.8363221	10.0837461	57	9.7580495	9.8444199	10.0863704
28	9.7527602	9.8365929	10.0838327	58	9.7582302	9.8446889	10.0864587
29	9.7529442	9.8368636	100.839195	59	9.7584108	9.8449579	10.0865470
30	9.7531280	9.8371343	10.0840063	60	9.7585913	9.8452268	10.0866355

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.7585913	9.8452268	10.0866355	30	9.7639540	9.8532680	10.0893140
1	9.7587717	9.8454956	10.0867240	31	9.7641311	9.8535352	10.0894041
2	9.7589519	9.8457644	10.0868125	32	9.7643080	9.8538023	10.0894943
3	9.7591321	9.8460332	10.0869011	33	9.7644849	9.8540694	10.0895845
4	9.7593121	9.8463018	10.0869898	34	9.7646616	9.8543365	10.0896749
5	9.7594920	9.8465705	10.0870785	35	9.7648382	9.8546034	10.0897652
6	9.7596718	9.8468390	10.0871672	36	9.7650147	9.8548704	10.0898556
7	9.7598515	9.8471075	10.0872560	37	9.7651911	9.8551372	10.0899461
8	9.7600311	9.8473760	10.0873449	38	9.7653674	9.8554041	10.0900366
9	9.7602106	9.8476444	10.0874338	39	9.7655436	9.8556708	10.0901272
10	9.7603899	9.8479127	10.0875228	40	9.7657197	9.8559376	10.0902179
11	9.7605692	9.8481810	10.0876118	41	9.7658957	9.8562042	10.0903085
12	9.7607483	9.8484492	10.0877009	42	9.7660715	9.8564708	10.0903993
13	9.7609274	9.8487174	10.0877901	43	9.7662473	9.8567374	10.0904901
14	9.7611063	9.8489855	10.0878793	44	9.7664229	9.8570039	10.0905810
15	9.7612851	9.8492536	10.0879685	45	9.7665985	9.8572704	10.0906719
16	9.7614638	9.8495216	10.0880578	46	9.7667739	9.8575368	10.0907629
17	9.7616424	9.8497896	10.0881472	47	9.7669492	9.8578031	10.0908539
18	9.7618208	9.8500575	10.0882366	48	9.7671244	9.8580694	10.0909450
19	9.7619992	9.8503253	10.0883261	49	9.7672996	9.8583357	10.0910361
20	9.7621775	9.8505931	10.0884156	50	9.7674746	9.8586019	10.0911273
21	9.7623556	9.8508608	10.0885052	51	9.7676494	9.8588680	10.0912186
22	9.7625337	9.8511285	10.0885949	52	9.7678242	9.8591341	10.0913099
23	9.7627116	9.8513961	10.0886845	53	9.7679989	9.8594002	10.0914012
24	9.7628894	9.8516637	10.0887743	54	9.7681735	9.8596661	10.0914927
25	9.7630671	9.8519312	10.0888641	55	9.7683480	9.8599321	10.0915841
26	9.7632447	9.8521987	10.0889540	56	9.7685223	9.8601980	10.0916757
27	9.7634222	9.8524661	10.0890439	57	9.7686966	9.8604638	10.0917673
28	9.7635996	9.8527335	10.0891339	58	9.7688707	9.8607296	10.0918589
29	9.7637769	9.8530008	10.0892239	59	9.7690448	9.8609954	10.0919506
30	9.7639540	9.8532680	10.0893140	60	9.7692187	9.8612610	10.0920424

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.7692187	9.8612610	10.0920424	30	9.7743876	9.8692089	10.0948213
1	9.7693925	9.8615267	10.0921342	31	9.7745583	9.8694731	10.0949148
2	9.7695662	9.8617923	10.0922260	32	9.7747288	9.8697372	10.0950084
3	9.7697398	9.8620578	10.0923180	33	9.7748993	9.8700013	10.0951020
4	9.7699134	9.8623233	10.0924099	34	9.7750697	9.8702653	10.0951957
5	9.7700868	9.8625887	10.0925020	35	9.7752399	9.8705293	10.0952894
6	9.7702601	9.8628541	10.0925941	36	9.7754101	9.8707933	10.0953832
7	9.7704332	9.8631195	10.0926862	37	9.7755801	9.8710572	10.0954770
8	9.7706063	9.8633848	10.0927784	38	9.7757501	9.8713210	10.0955709
9	9.7707793	9.8636500	10.0928707	39	9.7759199	9.8715848	10.0956649
10	9.7709522	9.8639152	10.0929630	40	9.7760897	9.8718486	10.0957589
11	9.7711249	9.8641803	10.0930554	41	9.7762593	9.8721123	10.0958530
12	9.7712976	9.8644454	10.0931478	42	9.7764289	9.8723760	10.0959471
13	9.7714702	9.8647105	10.0932403	43	9.7765983	9.8726396	10.0960413
14	9.7716426	9.8649755	10.0933329	44	9.7767676	9.8729032	10.0961356
15	9.7718150	9.8652404	10.0934255	45	9.7769369	9.8731668	10.0962299
16	9.7719872	9.8655053	10.0935181	46	9.7771060	9.8734302	10.0963243
17	9.7721593	9.8657702	10.0936108	47	9.7772750	9.8736937	10.0964187
18	9.7723314	9.8660350	10.0937036	48	9.7774439	9.8739571	10.0965132
19	9.7725033	9.8662997	10.0937964	49	9.7776128	9.8742204	10.0966077
20	9.7726751	9.8665644	10.0938893	50	9.7777815	9.8744838	10.0967023
21	9.7728468	9.8668291	10.0939823	51	9.7779501	9.8747470	10.0967969
22	9.7730185	9.8670937	10.0940753	52	9.7781186	9.8750102	10.0968916
23	9.7731900	9.8673583	10.0941683	53	9.7782870	9.8752734	10.0969864
24	9.7733614	9.8676228	10.0942614	54	9.7784553	9.8755365	10.0970812
25	9.7735327	9.8678873	10.0943546	55	9.7786235	9.8757996	10.0971761
26	9.7737039	9.8681517	10.0944478	56	9.7787916	9.8760627	10.0972711
27	9.7738749	9.8684160	10.0945411	57	9.7789596	9.8763257	10.0973661
28	9.7740459	9.8686804	10.0946344	58	9.7791275	9.8765886	10.0974611
29	9.7742168	9.8689446	100.947278	59	9.7792953	9.8768515	10.0975562
30	9.7743876	9.8692089	10.0948213	60	9.7794630	9.8771144	10.0976514

Minut.	37 Grados. Senos.	Tangentes.	Secantes.	Minut.	37 Grados. Senos.	Tangentes.	Secantes.
0	9.7794630	9.8771144	10.0976514	30	9.7844471	9.8849805	10.1005333
1	9.7796306	9.8773772	10.0977466	31	9.7846117	9.8852420	10.1006303
2	9.7797981	9.8776400	10.0978419	32	9.7847762	9.8855035	10.1007273
3	9.7799655	9.8779027	10.0979372	33	9.7849406	9.8857650	10.1008244
4	9.7801328	9.8781654	10.0980326	34	9.7851049	9.8860264	10.1009216
5	9.7803000	9.8784281	10.0981281	35	9.7852691	9.8862878	10.1010188
6	9.7804671	9.8786907	10.0982236	36	9.7854332	9.8865492	10.1011160
7	9.7806341	9.8789533	10.0983192	37	9.7855972	9.8868105	10.1012133
8	9.7808010	9.8792158	10.0984148	38	9.7857611	9.8870718	10.1013107
9	9.7809677	9.8794782	10.0985105	39	9.7859249	9.8873330	10.1014081
10	9.7811344	9.8797407	10.0986062	40	9.7860886	9.8875942	10.1015056
11	9.7813010	9.8800031	10.0987020	41	9.7862522	9.8878554	10.1016032
12	9.7814675	9.8802654	10.0987979	42	9.7864157	9.8881165	10.1017008
13	9.7816339	9.8805277	10.0988938	43	9.7865791	9.8883775	10.1017985
14	9.7818002	9.8807900	10.0989898	44	9.7867424	9.8886386	10.1018962
15	9.7819664	9.8810522	10.0990858	45	9.7869056	9.8888996	10.1019940
16	9.7821324	9.8813144	10.0991819	46	9.7870687	9.8891605	10.1020918
17	9.7822984	9.8815765	10.0992781	47	9.7872317	9.8894214	10.1021897
18	9.7824643	9.8818386	10.0993743	48	9.7873946	9.8896823	10.1022877
19	9.7826301	9.8821007	10.0994706	49	9.7875574	9.8899432	10.1023857
20	9.7827958	9.8823627	10.0995669	50	9.7877202	9.8902040	10.1024838
21	9.7829614	9.8826246	10.0996633	51	9.7878828	9.8904647	10.1025819
22	9.7831268	9.8828866	10.0997597	52	9.7880453	9.8907254	10.1026801
23	9.7832922	9.8831484	10.0998562	53	9.7882077	9.8909861	10.1027784
24	9.7834575	9.8834103	10.0999528	54	9.7883701	9.8912468	10.1028767
25	9.7836227	9.8836721	10.1000494	55	9.7885323	9.8915074	10.1029751
26	9.7837878	9.8839338	10.1001461	56	9.7886944	9.8917679	10.1030735
27	9.7839528	9.8841956	10.1002428	57	9.7888565	9.8920285	10.1031720
28	9.7841177	9.8844572	10.1003396	58	9.7890184	9.8922890	10.1032706
29	9.7842824	9.8847189	10.1004364	59	9.7891802	9.8925494	10.1033692
30	9.7844471	9.8849805	10.1005333	60	9.7893420	9.8928098	10.1034679

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.789[illegible]	9.8928098	10.1034679	30	9.7941496	9.9006052	10.1064556
1	9.7895036	9.8930702	10.1035666	31	9.7943083	9.9008645	10.1065561
2	9.7896652	9.8933306	10.1036654	32	9.7944670	9.9011237	10.1066567
3	9.7898266	9.8935909	10.1037642	33	9.7946256	9.9013830	10.1067574
4	9.7899880	9.8938511	10.1038631	34	9.7947841	9.9016422	10.1068581
5	9.7901493	9.8941114	10.1039621	35	9.7949425	9.9019013	10.1069588
6	9.7903104	9.8943715	10.1040611	36	9.7951008	9.9021604	10.1070596
7	9.7904715	9.8946317	10.1041602	37	9.7952590	9.9024195	10.1071605
8	9.7906325	9.8948918	10.1042594	38	9.7954171	9.9026786	10.1072615
9	9.7907933	9.8951519	10.1043586	39	9.7955751	9.9029376	10.1073625
10	9.7909541	9.8954119	10.1044578	40	9.7957330	9.9031966	10.1074635
11	9.7911148	9.8956719	10.1045571	41	9.7958909	9.9034555	10.1075646
12	9.7912754	9.8959319	10.1046565	42	9.7960486	9.9037144	10.1076658
13	9.7914359	9.8961918	10.1047560	43	9.7962062	9.9039733	10.1077671
14	9.7915963	9.8964517	10.1048555	44	9.7963638	9.9042321	10.1078684
15	9.7917566	9.8967116	10.1049550	45	9.7965212	9.9044910	10.1079697
16	9.7919168	9.8969714	10.1050547	46	9.7966786	9.9047497	10.1080711
17	9.7920769	9.8972312	10.1051543	47	9.7968359	9.9050085	10.1081726
18	9.7922369	9.8974910	10.1052541	48	9.7969930	9.9052672	10.1082742
19	9.7923968	9.8977507	10.1053539	49	9.7971501	9.9055259	10.1083758
20	9.7925566	9.8980104	10.1054537	50	9.7973071	9.9057845	10.1084774
21	9.7927163	9.8982700	10.1055537	51	9.7974640	9.9060431	10.1085792
22	9.7928760	9.8985296	10.1056536	52	9.7976208	9.9063017	10.1086809
23	9.7930355	9.8987892	10.1057537	53	9.7977775	9.9065603	10.1087828
24	9.7931949	9.8990487	10.1058538	54	9.7979341	9.9068188	10.1088847
25	9.7933543	9.8993082	10.1059539	55	9.7980906	9.9070773	10.1089867
26	9.7935135	9.8995677	10.1060542	56	9.7982470	9.9073357	10.1090887
27	9.7936727	9.8998271	10.1061544	57	9.7984034	9.9075941	10.1091908
28	9.7938317	9.9000865	10.1062548	58	9.7985596	9.9078525	10.1092929
29	9.7939907	9.9003459	10.1063552	59	9.7987158	9.9081109	10.1093951
30	9.7941496	9.9006052	10.1064556	60	9.7988718	9.9083692	10.1094974

Minut.	39 Grados. Senos.	Tangentes.	Secantes.	Minut.	39 Grados. Senos.	Tangentes.	Secantes.
0	9.7988718	9.9083692	10.1094974	30	9.8035105	9.9161045	10.1125939
1	9.7990278	9.9086275	10.1095997	31	9.8036637	9.9163618	10.1126981
2	9.7991836	9.9088858	10.1097021	32	9.8038168	9.9166192	10.1128023
3	9.7993394	9.9091440	10.1098046	33	9.8039699	9.9168765	10.1129066
4	9.7994951	9.9094022	10.1099071	34	9.8041228	9.9171338	10.1130110
5	9.7996507	9.9096603	10.1100097	35	9.8042757	9.9173911	10.1131154
6	9.7998062	9.9099185	10.1101123	36	9.8044284	9.9176483	10.1132199
7	9.7999616	9.9101766	10.1102150	37	9.8045811	9.9179055	10.1133244
8	9.8001169	9.9104347	10.1103178	38	9.8047336	9.9181627	10.1134290
9	9.8002721	9.9106927	10.1104206	39	9.8048861	9.9184198	10.1135337
10	9.8004272	9.9109507	10.1105235	40	9.8050385	9.9186769	10.1136384
11	9.8005823	9.9112087	10.1106264	41	9.8051908	9.9189340	10.1137432
12	9.8007372	9.9114666	10.1107294	42	9.8053430	9.9191911	10.1138481
13	9.8008921	9.9117245	10.1108325	43	9.8054951	9.9194481	10.1139530
14	9.8010468	9.9119824	10.1109356	44	9.8056472	9.9197051	10.1140580
15	9.8012015	9.9122403	10.1110388	45	9.8057991	9.9199621	10.1141630
16	9.8013561	9.9124981	10.1111420	46	9.8059510	9.9202191	10.1142681
17	9.8015106	9.9127559	10.1112453	47	9.8061027	9.9204760	10.1143733
18	9.8016649	9.9130137	10.1113487	48	9.8062544	9.9207329	10.1144785
19	9.8018192	9.9132714	10.1114521	49	9.8064060	9.9209898	10.1145838
20	9.8019735	9.9135291	10.1115556	50	9.8065575	9.9212466	10.1146891
21	9.8021276	9.9137868	10.1116592	51	9.8067089	9.9215034	10.1147945
22	9.8022816	9.9140444	10.1117628	52	9.8068602	9.9217602	10.1149000
23	9.8024355	9.9143020	10.1118665	53	9.8070114	9.9220170	10.1150055
24	9.8025894	9.9145596	10.1119702	54	9.8071626	9.9222737	10.1151111
25	9.8027431	9.9148171	10.1120740	55	9.8073136	9.9225304	10.1152168
26	9.8028968	9.9150747	10.1121779	56	9.8074646	9.9227871	10.1153225
27	9.8030504	9.9153322	10.1122818	57	9.8076154	9.9230437	10.1154283
28	9.8032038	9.9155896	10.1123858	58	9.8077662	9.9233004	10.1155341
29	9.8033572	9.9158471	10.1124898	59	9.8079169	9.9235570	10.1156401
30	9.8035105	9.9161045	10.1125939	60	9.8080675	9.9238135	10.1157460

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.8080675	9.9238135	10.1157460	30	9.8125444	9.9314989	10.1189545
1	9.8082180	9.9240701	10.1158521	31	9.8126923	9.9317547	10.1190624
2	9.8083684	9.9243266	10.1159582	32	9.8128401	9.9320105	10.1191704
3	9.8085188	9.9245831	10.1160643	33	9.8129878	9.9322662	10.1192785
4	9.8086690	9.9248396	10.1161706	34	9.8131354	9.9325220	10.1193866
5	9.8088192	9.9250960	10.1162768	35	9.8132829	9.9327777	10.1194948
6	9.8089692	9.9253524	10.1163832	36	9.8134303	9.9330334	10.1196030
7	9.8091192	9.9256088	10.1164896	37	9.8135777	9.9332890	10.1197113
8	9.8092691	9.9258652	10.1165961	38	9.8137250	9.9335446	10.1198197
9	9.8094189	9.9261215	10.1167026	39	9.8138721	9.9338003	10.1199281
10	9.8095686	9.9263778	10.1168092	40	9.8140192	9.9340559	10.1200366
11	9.8097182	9.9266341	10.1169159	41	9.8141662	9.9343114	10.1201452
12	9.8098678	9.9268904	10.1170226	42	9.8143131	9.9345670	10.1202538
13	9.8100172	9.9271466	10.1171294	43	9.8144600	9.9348225	10.1203625
14	9.8101666	9.9274028	10.1172362	44	9.8146067	9.9350780	10.1204713
15	9.8103159	9.9276590	10.1173432	45	9.8147534	9.9353335	10.1205801
16	9.8104650	9.9279152	10.1174501	46	9.8148999	9.9355889	10.1206890
17	9.8106141	9.9281713	10.1175572	47	9.8150464	9.9358444	10.1207979
18	9.8107631	9.9284274	10.1176643	48	9.8151928	9.9360998	10.1209070
19	9.8109121	9.9286835	10.1177715	49	9.8153391	9.9363552	10.1210160
20	9.8110609	9.9289396	10.1178787	50	9.8154854	9.9366105	10.1211252
21	9.8112096	9.9291956	10.1179860	51	9.8156315	9.9368659	10.1212344
22	9.8113583	9.9294516	10.1180933	52	9.8157776	9.9371212	10.1213437
23	9.8115069	9.9297076	10.1182008	53	9.8159235	9.9373765	10.1214530
24	9.8116554	9.9299636	10.1183082	54	9.8160694	9.9376318	10.1215624
25	9.8118038	9.9302195	10.1184158	55	9.8162152	9.9378871	10.1216719
26	9.8119521	9.9304755	10.1185234	56	9.8163609	9.9381423	10.1217814
27	9.8121003	9.9307314	10.1186311	57	9.8165066	9.9383975	10.1218910
28	9.8122484	9.9309872	10.1187388	58	9.8166521	9.9386527	10.1220006
29	9.8123965	9.9312431	10.1188466	59	9.8167975	9.9389079	10.1221104
30	9.8125444	9.9314989	10.1189545	60	9.8169429	9.9391631	10.1222201

Minut.	41 Grados. Senos.	Tangentes.	Secantes.	Minut.	41 Grados. Senos.	Tangentes.	Secantes.
0	9.8169429	9.9391631	10.1222201	30	9.8212646	9.9468084	10.1255439
1	9.8170882	9.9394182	10.1223300	31	9.8214073	9.9470630	10.1256557
2	9.8172334	9.9396733	10.1224399	32	9.8215500	9.9473175	10.1257675
3	9.8173785	9.9399284	10.1225499	33	9.8216926	9.9475720	10.1258795
4	9.8175235	9.9401835	10.1226599	34	9.8218351	9.9478265	10.1259915
5	9.8176685	9.9404385	10.1227700	35	9.8219775	9.9480810	10.1261035
6	9.8178133	9.9406936	10.1228802	36	9.8221198	9.9483355	10.1262156
7	9.8179581	9.9409486	10.1229904	37	9.8222621	9.9485899	10.1263278
8	9.8181028	9.9412036	10.1231007	38	9.8224042	9.9488443	10.1264401
9	9.8182474	9.9414585	10.1232111	39	9.8225463	9.9490987	10.1265524
10	9.8183919	9.9417135	10.1233215	40	9.8226883	9.9493531	10.1266648
11	9.8185364	9.9419684	10.1234320	41	9.8228302	9.9496075	10.1267773
12	9.8186807	9.9422233	10.1235426	42	9.8229721	9.9498619	10.1268898
13	9.8188250	9.9424782	10.1236532	43	9.8231138	9.9501162	10.1270024
14	9.8189692	9.9427331	10.1237639	44	9.8232555	9.9503705	10.1271151
15	9.8191133	9.9429879	10.1238747	45	9.8233971	9.9506248	10.1272278
16	9.8192573	9.9432428	10.1239855	46	9.8235386	9.9508791	10.1273406
17	9.8194012	9.9434976	10.1240964	47	9.8236800	9.9511334	10.1274534
18	9.8195450	9.9437524	10.1242073	48	9.8238213	9.9513876	10.1275663
19	9.8196888	9.9440072	10.1243184	49	9.8239626	9.9516419	10.1276793
20	9.8198325	9.9442619	10.1244294	50	9.8241037	9.9518961	10.1277924
21	9.8199761	9.9445166	10.1245406	51	9.8242448	9.9521503	10.1279055
22	9.8201196	9.9447714	10.1246518	52	9.8243858	9.9524045	10.1280187
23	9.8202630	9.9450261	10.1247631	53	9.8245267	9.9526587	10.1281319
24	9.8204063	9.9452807	10.1248744	54	9.8246676	9.9529128	10.1282452
25	9.8205496	9.9455354	10.1249858	55	9.8248083	9.9531670	10.1283586
26	9.8206927	9.9457900	10.1250973	56	9.8249490	9.9534211	10.1284721
27	9.8208358	9.9460447	10.1252088	57	9.8250896	9.9536752	10.1285856
28	9.8209788	9.9462993	10.1253205	58	9.8252301	9.9539293	10.1286992
29	9.8211217	9.9465539	10.1254321	59	9.8253705	9.9541834	10.1288128
30	9.8212646	9.9468084	10.1255439	60	9.8255109	9.9544374	10.1289265

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.8255109	9.9544374	10.1289265	30	9.8296833	9.9620525	10.1323691
1	9.8256512	9.9546915	10.1290403	31	9.8298212	9.9623061	10.1324849
2	9.8257913	9.9549455	10.1291542	32	9.8299589	9.9625597	10.1326008
3	9.8259314	9.9551995	10.1292681	33	9.8300966	9.9628133	10.1327167
4	9.8260715	9.9554535	10.1293821	34	9.8302342	9 9630669	10.1328327
5	9.8262114	9.9557075	10.1294961	35	9.8303717	9.9633204	10.1329488
6	9.8263512	9.9559615	10.1296102	36	9.8305091	9.9635740	10.1330649
7	9.8264910	9.9562154	10.1297244	37	9.8306464	9.9638275	10.1331811
8	9.8266307	9.9564694	10.1298387	38	9.8307837	9.9640811	10.1332974
9	9.8267703	9.9567233	10.1299530	39	9.8309209	9.9643346	10.1334137
10	9.8269098	9.9569772	10.1300674	40	9.8310580	9.9645881	10.1335301
11	9.8270493	9.9572311	10.1301818	41	9.8311950	9.9648416	10.1336466
12	9.8271887	9.9574850	10.1302963	42	9.8313320	9.9650951	10.1337631
13	9.8273279	9.9577389	10.1304109	43	9.8314688	9.9653486	10.1338797
14	9.8274671	9.9579927	10.1305256	44	9.8316056	9.9656020	10.1339964
15	9.8276063	9.9582465	10.1306403	45	9.8317423	9.9658555	10.1341132
16	9.8277453	9.9585004	10.1307551	46	9.8318789	9.9661089	10.1342300
17	9.8278843	9.9587542	10.1308699	47	9.8320155	9.9663623	10.1343469
18	9.8280231	9.9590080	10.1309848	48	9.8321519	9.9666157	10.1344638
19	9.8281619	9.9592618	10.1310998	49	9.8322883	9.9668692	10.1345808
20	9.8283006	9.9595155	10.1312149	50	9.8324246	9.9671225	10.1346979
21	9.8284393	9.9597693	10.1313300	51	9.8325609	9.9673759	10.1348151
22	9.8285778	9.9600230	10.1314452	52	9.8326970	9.9676293	10.1349323
23	9.8287163	9.9602767	10.1315604	53	9.8328331	9.9678827	10.1350496
24	9.8288547	9.9605305	10.1316758	54	9.8329691	9.9681360	10.1351669
25	9.8289930	9.9607842	10.1317912	55	9.8331050	9.9683893	10.1352844
26	9.8291312	9.9610378	10.1319066	56	9.8332408	9.9686427	10.1354019
27	9.8292694	9.9612915	10.1320221	57	9.8333766	9.9688960	10.1355194
28	9.8294075	9.9615452	10.1321377	58	9.8335122	9.9691493	10.1356371
29	9.8295454	9.9617988	10.1322534	59	9.8336478	9.9694026	10.1357548
30	9.8296833	9.9620525	10.1323691	60	9.8337833	9.9696559	10.1358725

Minut.	43 Grados. Senos.	Tangentes.	Secantes.	Minut.	43 Grados. Senos.	Tangentes.	Secantes.
0	9.8337833	9.9696559	10.1358725	30	9.8378122	9.9772500	10.1394378
1	9.8339188	9.9699091	10.1359904	31	9.8379453	9.9775030	10.1395577
2	9.8340541	9.9701624	10.1361083	32	9.8380783	9.9777560	10.1396777
3	9.8341894	9.9704157	10.1362263	33	9.8382112	9.9780090	10.1397978
4	9.8343246	9.9706689	10.1363443	34	9.8383441	9.9782620	10.1399179
5	9.8344597	9.9709221	10.1364624	35	9.8384769	9.9785149	10.1400381
6	9.8345948	9.9711754	10.1365806	36	9.8386096	9.9787679	10.1401584
7	9.8347297	9.9714286	10.1366989	37	9.8387422	9.9790209	10.1402787
8	9.8348646	9.9716818	10.1368172	38	9.8388747	9.9792738	10.1403991
9	9.8349994	9.9719350	10.1369356	39	9.8390072	9.9795268	10.1405196
10	9.8351341	9.9721882	10.1370540	40	9.8391396	9.9797797	10.1406401
11	9.8352688	9.9724413	10.1371726	41	9.8392719	9.9800326	10.1407607
12	9.8354033	9.9726945	10.1372912	42	9.8394041	9.9802856	10.1408814
13	9.8355378	9.9729477	10.1374098	43	9.8395363	9.9805385	10.1410022
14	9.8356722	9.9732008	10.1375286	44	9.8396684	9.9807914	10.1411230
15	9.8358066	9.9734539	10.1376474	45	9.8398004	9.9810443	10.1412439
16	9.8359408	9.9737071	10.1377662	46	9.8399323	9.9812972	10.1413649
17	9.8360750	9.9739602	10.1378852	47	9.8400642	9.9815501	10.1414859
18	9.8362091	9.9742133	10.1380042	48	9.8401959	9.9818030	10.1416071
19	9.8363431	9.9744664	10.1381233	49	9.8403276	9.9820559	10.1417282
20	9.8364771	9.9747195	10.1382424	50	9.8404593	9.9823087	10.1418495
21	9.8366109	9.9749726	10.1383617	51	9.8405908	9.9825616	10.1419708
22	9.8367447	9.9752257	10.1384810	52	9.8407223	9.9828145	10.1420922
23	9.8368784	9.9754787	10.1386003	53	9.8408537	9.9830673	10.1422137
24	9.8370121	9.9757318	10.1387197	54	9.8409850	9.9833202	10.1423352
25	9.8371456	9.9759849	10.1388392	55	9.8411162	9.9835730	10.1424568
26	9.8372791	9.9762379	10.1389588	56	9.8412474	9.9838259	10.1425785
27	9.8374125	9.9764909	10.1390785	57	9.8413785	9.9840787	10.1427002
28	9.8375458	9.9767440	10.1391982	58	9.8415095	9.9843315	10.1428221
29	9.8376790	9.9769970	10.1393179	59	9.8416404	9.9845844	10.1429439
30	9.8378122	9.9772500	10.1394378	60	9.8417713	9.9848372	10.1430659

Minut.	44 Grados. Senos.	Tangentes.	Secantes.	Minut.	44 Grados. Senos.	Tangentes.	Secantes.
0	9.8417713	9.9848372	10.1430659	30	9.8456618	9.9924197	10.1467579
1	9.8419021	9.9850900	10.1431879	31	9.8457903	9.9926724	10.1468821
2	9.8420328	9.9853428	10.1433100	32	9.8459188	9.9929251	10.1470064
3	9.8421634	9.9855956	10.1434322	33	9.8460471	9.9931778	10.1471307
4	9.8422939	9.9858484	10.1435545	34	9.8461754	9.9934305	10.1472551
5	9.8424244	9.9861012	10.1436768	35	9.8463036	9.9936832	10.1473796
6	9.8425548	9.9863540	10.1437992	36	9.8464318	9.9939359	10.1475041
7	9.8426851	9.9866068	10.1439216	37	9.8465599	9.9941886	10.1476287
8	9.8428154	9.9868596	10.1440442	38	9.8466879	9.9944413	10.1477534
9	9.8429456	9.9871123	10.1441668	39	9.8468158	9.9946940	10.1478782
10	9.8430757	9.9873651	10.1442894	40	9.8469436	9.9949466	10.1480030
11	9.8432057	9.9876179	10.1444122	41	9.8470714	9.9951993	10.1481279
12	9.8433356	9.9878706	10.1445350	42	9.8471991	9.9954520	10.1482529
13	9.8434655	9.9881234	10.1446579	43	9.8473267	9.9957047	10.1483780
14	9.8435953	9.9883761	10.1447808	44	9.8474543	9.9959573	10.1485031
15	9.8437250	9.9886289	10.1449039	45	9.8475817	9.9962100	10.1486283
16	9.8438547	9.9888816	10.1450270	46	9.8477091	9.9964627	10.1487535
17	9.8439842	9.9891344	10.1451501	47	9.8478365	9.9967154	10.1488789
18	9.8441137	9.9893871	10.1452734	48	9.8479637	9.9969680	10.1490043
19	9.8442432	9.9896399	10.1453967	49	9.8480909	9.9972207	10.1491298
20	9.8443725	9.9898926	10.1455201	50	9.8482180	9.9974734	10.1492554
21	9.8445018	9.9901453	10.1456436	51	9.8483450	9.9977260	10.1493810
22	9.8446310	9.9903981	10.1457671	52	9.8484720	9.9979787	10.1495067
23	9.8447601	9.9906508	10.1458907	53	9.8485989	9.9982314	10.1496325
24	9.8448891	9.9909035	10.1460144	54	9.8487257	9.9984840	10.1497583
25	9.8450181	9.9911562	10.1461381	55	9.8488524	9.9987367	10.1498843
26	9.8451470	9.9914089	10.1462619	56	9.8489791	9.9989893	10.1500103
27	9.8452758	9.9916616	10.1463858	57	9.8491057	9.9992420	10.1501363
28	9.8454045	9.9919143	10.1465098	58	9.8492322	9.9994947	10.1502625
29	9.8455332	9.9921670	10.1466338	59	9.8493586	9.9997473	10.1503887
30	9.8456618	9.9924197	10.1467579	60	9.8494850	10.0000000	10.1505150

Minut.	45 Grados. Senos.	Tangentes.	Secantes.	Minut.	45 Grados. Senos.	Tangentes.	Secantes.
0	9.8494850	10.0000000	10.1505150	30	9.8532421	10.0075803	10.1543282
1	9.8496113	10.0002527	10.1506414	31	9.8533662	10.0078330	10.1544668
2	9.8497375	10.0005053	10.1507678	32	9.8534902	10.0080857	10.1545955
3	9.8498637	10.0007580	10.1508943	33	9.8536142	10.0083384	10.1547242
4	9.8499897	10.0010107	10.1510209	34	9.8537381	10.0085911	10.1548530
5	9.8501157	10.0012633	10.1511476	35	9.8538619	10.0088438	10.1549819
6	9.8502417	10.0015160	10.1512743	36	9.8539856	10.0090965	10.1551109
7	9.8503675	10.0017686	10.1514011	37	9.8541093	10.0093492	10.1552399
8	9.8504933	10.0020213	10.1515280	38	9.8542329	10.0096019	10.1553690
9	9.8506190	10.0022740	10.1516550	39	9.8543564	10.0098547	10.1554982
10	9.8507446	10.0025266	10.1517820	40	9.8544799	10.0101074	10.1556275
11	9.8508702	10.0027793	10.1519091	41	9.8546033	10.0103601	10.1557568
12	9.8509957	10.0030320	10.1520363	42	9.8547266	10.0106129	10.1558863
13	9.8511211	10.0032846	10.1521635	43	9.8548499	10.0108656	10.1560158
14	9.8512465	10.0035373	10.1522909	44	9.8549730	10.0111184	10.1561453
15	9.8513717	10.0037900	10.1524183	45	9.8550961	10.0113711	10.1562750
16	9.8514969	10.0040427	10.1525457	46	9.8552192	10.0116239	10.1564047
17	9.8516220	10.0042953	10.1526733	47	9.8553421	10.0118766	10.1565345
18	9.8517471	10.0045480	10.1528009	48	9.8554650	10.0121294	10.1566644
19	9.8518721	10.0048007	10.1529286	49	9.8555878	10.0123821	10.1567943
20	9.8519970	10.0050534	10.1530564	50	9.8557106	10.0126349	10.1569243
21	9.8521218	10.0053060	10.1531842	51	9.8558332	10.0128877	10.1570544
22	9.8522466	10.0055587	10.1533121	52	9.8559558	10.0131404	10.1571846
23	9.8523713	10.0058114	10.1534401	53	9.8560784	10.0133932	10.1573149
24	9.8524959	10.0060641	10.1535682	54	9.8562008	10.0136460	10.1574452
25	9.8526204	10.0063168	10.1536964	55	9.8563232	10.0138988	10.1575756
26	9.8527449	10.0065695	10.1538246	56	9.8564455	10.0141516	10.1577061
27	9.8528693	10.0068222	10.1539529	57	9.8565678	10.0144044	10.1578366
28	9.8529936	10.0070749	10.1540812	58	9.8566900	10.0146572	10.1579672
29	9.8531179	10.0073276	10.1542097	59	9.8568121	10.0149100	10.1580979
30	9.8532421	10.0075803	10.1543382	60	9.8569341	10.0151628	10.1582287

Minut.	46 Grados. Senos.	Tangentes.	Secantes.	Minut.	46 Grados. Senos.	Tangentes.	Secantes.
0	9.8569341	10.0151628	10.1582287	30	9.8605622	10.0227500	10.1621878
1	9.8570561	10.0154156	10.1583596	31	9.8606821	10.0230030	10.1623210
2	9.8571779	10.0156685	10.1584905	32	9.8608018	10.0232560	10.1624542
3	9.8572998	10.0159213	10.1586215	33	9.8609215	10.0235091	10.1625875
4	9.8574215	10.0161741	10.1587526	34	9.8610412	10.0237621	10.1627209
5	9.8575432	10.0164270	10.1588838	35	9.8611608	10.0240151	10.1628544
6	9.8576648	10.0166798	10.1590150	36	9.8612803	10.0242682	10.1629879
7	9.8577863	10.0169327	10.1591463	37	9.8613997	10.0245213	10.1631216
8	9.8579078	10.0171855	10.1592777	38	9.8615190	10.0247743	10.1632553
9	9.8580292	10.0174384	10.1594092	39	9.8616383	10.0250274	10.1633891
10	9.8581505	10.0176913	10.1595407	40	9.8617576	10.0252805	10.1635229
11	9.8582718	10.0179441	10.1596724	41	9.8618767	10.0255336	10.1636569
12	9.8583929	10.0181970	10.1598041	42	9.8619958	10.0257867	10.1637909
13	9.8585141	10.0184499	10.1599358	43	9.8621148	10.0260398	10.1639250
14	9.8586351	10.0187028	10.1600677	44	9.8622338	10.0262929	10.1640592
15	9.8587561	10.0189557	10.1601996	45	9.8623526	10.0265461	10.1641934
16	9.8588770	10.0192086	10.1603316	46	9.8624714	10.0267992	10.1643278
17	9.8589978	10.0194615	10.1604637	47	9.8625902	10.0270523	10.1644622
18	9.8591186	10.0197144	10.1605959	48	9.8627088	10.0273055	10.1645967
19	9.8592393	10.0199674	10.1607281	49	9.8628274	10.0275587	10.1647312
20	9.8593599	10.0202203	10.1608604	50	9.8629460	10.0278118	10.1648659
21	9.8594804	10.0204732	10.1609928	51	9.8630644	10.0280650	10.1650006
22	9.8596009	10.0207262	10.1611253	52	9.8631828	10.0283182	10.1651354
23	9.8597213	10.0209791	10.1612578	53	9.8633011	10.0285714	10.1652703
24	9.8598416	10.0212321	10.1613904	54	9.8634194	10.0288246	10.1654052
25	9.8599619	10.0214851	10.1615231	55	9.8635376	10.0290779	10.1655403
26	9.8600821	10.0217380	10.1616559	56	9.8636557	10.0293311	10.1656754
27	9.8602022	10.0219910	10.1617888	57	9.8637737	10.0295843	10.1658106
28	9.8603223	10.0222440	10.1619217	58	9.8638917	10.0298376	10.1659459
29	9.8604423	10.0224970	10.1620547	59	9.8640096	10.0300909	10.1660812
30	9.8605622	10.0227500	10.1621878	60	9.8641275	10.0303441	10.1662167

Minut.	47 Grados. Senos.	Tangentes.	Secantes.	Minut.	47 Grados. Senos.	Tangentes.	Secantes.
0	9.8641275	10.0303441	10.1662167	30	9.8676309	10.0379475	10.1703167
1	9.8642452	10.0305974	10.1663522	31	9.8677466	10.0382012	10.1704546
2	9.8643629	10.0308507	10.1664878	32	9.8678623	10.0384548	10.1705925
3	9.8644806	10.0311040	10.1666234	33	9.8679779	10.0387085	10.1707306
4	9.8645981	10.0313573	10.1667592	34	9.8680934	10.0389622	10.1708688
5	9.8647156	10.0316107	10.1668950	35	9.8682088	10.0392258	10.1710070
6	9.8648331	10.0318640	10.1670309	36	9.8683242	10.0394695	10.1711453
7	9.8649504	10.0321173	10.1671669	37	9.8684396	10.0397233	10.1712837
8	9.8650677	10.0323707	10.1673030	38	9.8685548	10.0399770	10.1714222
9	9.8651849	10.0326241	10.1674391	39	9.8686700	10.0402307	10.1715607
10	9.8653021	10.0328775	10.1675754	40	9.8687851	10.0404845	10.1716994
11	9.8654192	10.0331308	10.1677117	41	9.8689002	10.0407382	10.1718381
12	9.8655362	10.0333843	10.1678481	42	9.8690152	10.0409920	10.1719769
13	9.8656531	10.0336377	10.1679845	43	9.8691301	10.0412458	10.1721157
14	9.8657700	10.0338911	10.1681211	44	9.8692449	10.0414996	10.1722547
15	9.8658868	10.0341445	10.1682577	45	9.8693597	10.0417535	10.1723937
16	9.8660036	10.0343980	10.1683944	46	9.8694744	10.0420073	10.1725329
17	9.8661203	10.0346514	10.1685312	47	9.8695891	10.0422611	10.1726721
18	9.8662369	10.0349049	10.1686680	48	9.8697037	10.0425150	10.1728113
19	9.8663534	10.0351584	10.1688050	49	9.8698182	10.0427689	10.1729507
20	9.8664699	10.0354119	10.1689420	50	9.8699326	10.0430228	10.1730902
21	9.8665863	10.0356654	10.1690791	51	9.8700470	10.0432767	10.1732297
22	9.8667026	10.0359189	10.1692163	52	9.8701613	10.0435306	10.1733693
23	9.8668189	10.0361725	10.1693536	53	9.8702756	10.0437846	10.1735090
24	9.8669351	10.0364260	10.1694909	54	9.8703898	10.0440385	10.1736488
25	9.8670512	10.0366796	10.1696283	55	9.8705039	10.0442925	10.1737886
26	9.8671673	10.0369331	10.1697658	56	9.8706179	10.0445465	10.1739285
27	9.8672833	10.0371867	10.1699034	57	9.8707319	10.0448005	10.1740686
28	9.8673992	10.0374403	10.1700411	58	9.8708458	10.0450545	10.1742087
29	9.8675151	10.0376939	10.1701788	59	9.8709597	10.0453085	10.1743488
30	9.8676309	10.0379475	10.1703167	60	9.8710735	10.0455626	10.1744891

Minut.	48 Grados. Senos.	Tangentes.	Secantes.	Minut.	48 Grados. Senos.	Tangentes.	Secantes.
0	9.8710735	10.0455626	10.1744891	30	9.8744561	10.0531916	10.1787354
1	9.8711872	10.0458166	10.1746295	31	9.8745679	10.0534461	10.1788783
2	9.8713008	10.0460707	10.1747699	32	9.8746795	10.0537007	10.1790212
3	9.8714144	10.0463248	10.1749104	33	9.8747912	10.0539553	10.1791642
4	9.8715279	10.0465789	10.1750510	34	9.8749027	10.0542100	10.1793073
5	9.8716414	10.0468330	10.1751917	35	9.8750142	10.0544646	10.1794504
6	9.8717548	10.0470872	10.1753324	36	9.8751256	10.0547193	10.1795937
7	9.8718681	10.0473413	10.1754733	37	9.8752369	10.0549739	10.1797370
8	9.8719813	10.0475955	10.1756142	38	9.8753482	10.0552286	10.1798804
9	9.8720945	10.0478497	10.1757552	39	9.8754594	10.0554834	10.1800239
10	9.8722076	10.0481039	10.1758963	40	9.8755706	10.0557381	10.1801675
11	9.8723207	10.0483581	10.1760374	41	9.8756816	10.0559928	10.1803112
12	9.8724337	10.0486124	10.1761787	42	9.8757927	10.0562476	10.1804550
13	9.8725466	10.0488666	10.1763200	43	9.8759036	10.0565024	10.1805988
14	9.8726594	10.0491209	10.1764614	44	9.8760145	10.0567572	10.1807427
15	9.8727722	10.0493752	10.1766029	45	9.8761253	10.0570121	10.1808867
16	9.8728849	10.0496295	10.1767445	46	9.8762361	10.0572669	10.1810308
17	9.8729976	10.0498838	10.1768862	47	9.8763468	10.0575218	10.1811750
18	9.8731102	10.0501381	10.1770279	48	9.8764574	10.0577767	10.1813193
19	9.8732227	10.0503925	10.1771698	49	9.8765680	10.0580316	10.1814636
20	9.8733352	10.0506469	10.1773117	50	9.8766785	10.0582865	10.1816081
21	9.8734476	10.0509013	10.1774537	51	9.8767889	10.0585415	10.1817526
22	9.8735599	10.0511557	10.1775958	52	9.8768993	10.0587964	10.1818972
23	9.8736722	10.0514101	10.1777379	53	9.8770096	10.0590514	10.1820419
24	9.8737844	10.0516645	10.1778802	54	9.8771198	10.0593064	10.1821867
25	9.8738965	10.0519190	10.1780225	55	9.8772300	10.0595615	10.1823315
26	9.8740085	10.0521735	10.1781649	56	9.8773401	10.0598165	10.1824765
27	9.8741205	10.0524280	10.1783074	57	9.8774501	10.0600716	10.1826215
28	9.8742325	10.0526825	10.1784500	58	9.8775601	10.0603267	10.1827666
29	9.8743443	10.0529370	10.1785927	59	9.8776700	10.0605818	10.1829118
30	9.8744561	10.0531916	10.1787354	60	9.8777799	10.0608369	10.1830571

Minut.	49 Grados. Senos.	Tangentes.	Secantes.	Minut.	49 Grados. Senos.	Tangentes.	Secantes.
0	9.8777799	10.0608369	10.1830571	30	9.8810455	10.0685011	10.1874556
1	9.8778896	10.0610921	10.1832025	31	9.8811534	10.0687569	10.1876035
2	9.8779994	10.0613473	10.1833479	32	9.8812612	10.0690128	10.1877516
3	9.8781090	10.0616025	10.1834934	33	9.8813689	10.0692686	10.1878997
4	9.8782186	10.0618577	10.1836391	34	9.8814766	10.0695245	10.1880479
5	9.8783281	10.0621129	10.1837848	35	9.8815842	10.0697805	10.1881962
6	9.8784376	10.0623682	10.1839306	36	9.8816918	10.0700364	10.1883446
7	9.8785470	10.0626235	10.1840765	37	9.8817992	10.0702924	10.1884931
8	9.8786563	10.0628788	10.1842224	38	9.8819067	10.0705484	10.1886417
9	9.8787656	10.0631341	10.1843685	39	9.8820140	10.0708044	10.1887904
10	9.8788748	10.0633895	10.1845146	40	9.8821213	10.0710604	10.1889391
11	9.8789840	10.0636448	10.1846609	41	9.8822285	10.0713165	10.1890879
12	9.8790930	10.0639002	10.1848072	42	9.8823357	10.0715726	10.1892369
13	9.8792021	10.0641556	10.1849536	43	9.8824428	10.0718287	10.1893859
14	9.8793110	10.0644111	10.1851001	44	9.8825499	10.0720848	10.1895350
15	9.8794199	10.0646665	10.1852466	45	9.8826568	10.0723410	10.1896841
16	9.8795287	10.0649220	10.1853933	46	9.8827638	10.0725972	10.1898334
17	9.8796375	10.0651775	10.1855400	47	9.8828706	10.0728534	10.1899828
18	9.8797462	10.0654330	10.1856869	48	9.8829774	10.0731096	10.1901322
19	9.8798548	10.0656886	10.1858338	49	9.8830841	10.0733659	10.1902818
20	9.8799634	10.0659441	10.1859808	50	9.8831908	10.0736222	10.1904314
21	9.8800719	10.0661997	10.1861279	51	9.8832974	10.0738785	10.1905811
22	9.8801803	10.0664554	10.1862750	52	9.8834039	10.0741348	10.1907309
23	9.8802887	10.0667110	10.1864223	53	9.8835104	10.0743912	10.1908808
24	9.8803970	10.0669666	10.1865697	54	9.8836168	10.0746476	10.1910308
25	9.8805052	10.0672223	10.1867171	55	9.8837232	10.0749040	10.1911808
26	9.8806134	10.0674780	10.1868646	56	9.8838294	10.0751604	10.1913310
27	9.8807215	10.0677338	10.1870122	57	9.8839357	10.0754169	10.1914812
28	9.8808296	10.0679895	10.1871599	58	9.8840418	10.0756734	10.1916316
29	9.8809376	10.0682453	10.1873077	59	9.8841479	10.0759299	10.1917820
30	9.8810455	10.0685011	10.1874556	60	9.8842540	10.0761865	10.1919325

Minut.	Senus.	Tangentes.	Secantes.	Minut.	Senus.	Tangentes.	Secantes.
0	9.8842540	10.0761865	10.1919325	30	9.8874061	10.0838955	10.1964895
1	9.8843599	10.0764430	10.1920831	31	9.8875102	10.0841529	10.1966428
2	9.8844659	10.0766996	10.1922338	32	9.8876142	10.0844104	10.1967962
3	9.8845717	10.0769563	10.1923846	33	9.8877182	10.0846678	10.1969496
4	9.8846775	10.0772129	10.1925354	34	9.8878221	10.0849253	10.1971032
5	9.8847832	10.0774696	10.1926864	35	9.8879260	10.0851829	10.1972569
6	9.8848889	10.0777263	10.1928374	36	9.8880298	10.0854404	10.1974106
7	9.8849945	10.0779830	10.1929886	37	9.8881335	10.0856980	10.1975645
8	9.8851000	10.0782398	10.1931398	38	9.8882372	10.0859556	10.1977184
9	9.8852055	10.0784966	10.1932911	39	9.8883408	10.0862132	10.1978724
10	9.8853109	10.0787534	10.1934425	40	9.8884444	10.0864709	10.1980265
11	9.8854162	10.0790102	10.1935940	41	9.8885479	10.0867286	10.1981808
12	9.8855215	10.0792671	10.1937456	42	9.8886513	10.0869863	10.1983351
13	9.8856267	10.0795240	10.1938973	43	9.8887547	10.0872441	10.1984894
14	9.8857319	10.0797809	10.1940490	44	9.8888580	10.0875019	10.1986439
15	9.8858370	10.0800379	10.1942009	45	9.8889612	10.0877597	10.1987985
16	9.8859420	10.0802949	10.1943528	46	9.8890644	10.0880176	10.1989532
17	9.8860470	10.0805519	10.1945049	47	9.8891675	10.0882755	10.1991079
18	9.8861519	10.0808089	10.1946570	48	9.8892706	10.0885334	10.1992628
19	9.8862568	10.0810660	10.1948092	49	9.8893736	10.0887913	10.1994177
20	9.8863616	10.0813231	10.1949615	50	9.8894765	10.0890493	10.1995728
21	9.8864663	10.0815802	10.1951139	51	9.8895794	10.0893073	10.1997279
22	9.8865710	10.0818373	10.1952664	52	9.8896822	10.0895653	10.1998831
23	9.8866756	10.0820945	10.1954189	53	9.8897850	10.0898234	10.2000384
24	9.8867801	10.0823517	10.1955716	54	9.8898877	10.0900815	10.2001938
25	9.8868846	10.0826089	10.1957243	55	9.8899903	10.0903397	10.2003493
26	9.8869890	10.0828662	10.1958772	56	9.8900929	10.0905978	10.2005049
27	9.8870934	10.0831235	10.1960301	57	9.8901954	10.0908560	10.2006606
28	9.8871977	10.0833808	10.1961832	58	9.8902979	10.0911142	10.2008164
29	9.8873019	10.0836382	10.1963363	59	9.8904003	10.0913725	10.2009722
30	9.8874061	10.0838955	10.1964895	60	9.8905026	10.0916308	10.2011282

Minut.	51 Grados. Senos.	Tangentes.	Secantes.	Minut.	51 Grados. Senos.	Tangentes.	Secantes.
0	9.8905026	10.0916308	10.2011282	30	9.8935444	10.0993948	10.2058504
1	9.8906049	10.0918891	10.2012842	31	9.8936448	10.0996541	10.2060093
2	9.8907071	10.0921475	10.2014404	32	9.8937452	10.0999135	10.2061683
3	9.8908092	10.0924059	10.2015966	33	9.8938456	10.1001729	10.2063273
4	9.8909113	10.0926643	10.2017530	34	9.8939458	10.1004323	10.2064865
5	9.8910133	10.0929227	10.2019094	35	9.8940461	10.1006918	10.2066457
6	9.8911153	10.0931812	10.2020659	36	9.8941462	10.1009513	10.2068051
7	9.8912172	10.0934397	10.2022225	37	9.8942463	10.1012108	10.2069645
8	9.8913191	10.0936983	10.2023792	38	9.8943464	10.1014704	10.2071240
9	9.8914208	10.0939569	10.2025360	39	9.8944463	10.1017300	10.2072837
10	9.8915226	10.0942155	10.2026929	40	9.8945463	10.1019896	10.2074434
11	9.8916242	10.0944741	10.2028499	41	9.8946461	10.1022493	10.2076032
12	9.8917258	10.0947328	10.2030070	42	9.8947459	10.1025090	10.2077631
13	9.8918274	10.0949915	10.2031641	43	9.8948457	10.1027688	10.2079231
14	9.8919289	10.0952503	10.2033214	44	9.8949453	10.1030286	10.2080832
15	9.8920303	10.0955090	10.2034788	45	9.8950450	10.1032884	10.2082434
16	9.8921316	10.0957679	10.2036362	46	9.8951445	10.1035483	10.2084037
17	9.8922329	10.0960267	10.2037938	47	9.8952440	10.1038082	10.2085641
18	9.8923342	10.0962856	10.2039514	48	9.8953435	10.1040681	10.2087246
19	9.8924354	10.0965445	10.2041091	49	9.8954429	10.1043281	10.2088852
20	9.8925365	10.0968034	10.2042670	50	9.8955422	10.1045881	10.2090459
21	9.8926375	10.0970624	10.2044249	51	9.8956414	10.1048481	10.2092067
22	9.8927385	10.0973214	10.2045829	52	9.8957406	10.1051082	10.2093675
23	9.8928395	10.0975805	10.2047410	53	9.8958398	10.1053683	10.2095285
24	9.8929404	10.0978396	10.2048992	54	9.8959389	10.1056285	10.2096896
25	9.8930412	10.0980987	10.2050575	55	9.8960379	10.1058886	10.2098507
26	9.8931419	10.0983578	10.2052159	56	9.8961369	10.1061489	10.2100120
27	9.8932426	10.0986170	10.2053744	57	9.8962358	10.1064091	10.2101734
28	9.8933433	10.0988763	10.2055330	58	9.8963346	10.1066694	10.2103348
29	9.8934439	10.0991355	10.2056917	59	9.8964334	10.1069298	10.2104964
30	9.8935444	10.0993948	10.2058504	60	9.8965321	10.1071902	10.2106580

Minut.	52 Grados. Senos.	Tangentes.	Secantes.	Minut.	52 Grados. Senos.	Tangentes.	Secantes.
0	9.8965321	10.1071992	10.2106580	30	9.8994667	10.1150195	10.2155529
1	9.8966308	10.1074506	10.2108198	31	9.8995636	10.1152811	10.2157176
2	9.8967294	10.1077110	10.2109816	32	9.8996604	10.1155428	10.2158823
3	9.8968280	10.1079715	10.2111435	33	9.8997572	10.1158044	10.2160472
4	9.8969265	10.1082321	10.2113056	34	9.8998539	10.1160662	10.2162122
5	9.8970249	10.1084926	10.2114677	35	9.8999506	10.1163279	10.2163773
6	9.8971233	10.1087532	10.2116299	36	9.9000472	10.1165897	10.2165425
7	9.8972216	10.1090139	10.2117923	37	9.9001438	10.1168516	10.2167078
8	9.8973199	10.1092746	10.2119547	38	9.9002403	10.1171134	10.2168732
9	9.8974181	10.1095353	10.2121172	39	9.9003367	10.1173754	10.2170386
10	9.8975162	10.1097960	10.2122798	40	9.9004331	10.1176373	10.2172042
11	9.8976143	10.1100568	10.2124426	41	9.9005294	10.1178993	10.2173699
12	9.8977123	10.1103177	10.2126054	42	9.9006257	10.1181614	10.2175357
13	9.8978103	10.1105786	10.2127683	43	9.9007219	10.1184235	10.2177016
14	9.8979082	10.1108395	10.2129313	44	9.9008181	10.1186856	10.2178676
15	9.8980060	10.1111004	10.2130944	45	9.9009142	10.1189478	10.2180336
16	9.8981038	10.1113614	10.2132576	46	9.9010102	10.1192100	10.2181998
17	9.8982015	10.1116225	10.2134209	47	9.9011062	10.1194723	10.2183661
18	9.8982992	10.1118835	10.2135843	48	9.9012021	10.1197346	10.2185325
19	9.8983968	10.1121446	10.2137478	49	9.9012980	10.1199969	10.2186990
20	9.8984944	10.1124058	10.2139114	50	9.9013938	10.1202593	10.2188656
21	9.8985919	10.1126670	10.2140751	51	9.9014895	10.1205218	10.2190323
22	9.8986893	10.1129282	10.2142389	52	9.9015852	10.1207842	10.2191990
23	9.8987867	10.1131895	10.2144028	53	9.9016808	10.1210467	10.2193659
24	9.8988840	10.1134508	10.2145668	54	9.9017764	10.1213093	10.2195329
25	9.8989812	10.1137122	10.2147309	55	9.9018719	10.1215719	10.2197000
26	9.8990784	10.1139736	10.2148951	56	9.9019674	10.1218346	10.2198672
27	9.8991756	10.1142350	10.2150594	57	9.9020628	10.1220973	10.2200345
28	9.8992727	10.1144965	10.2152238	58	9.9021581	10.1223600	10.2202019
29	9.8993697	10.1147580	10.2153883	59	9.9022534	10.1226228	10.2203694
30	9.8994667	10.1150195	10.2155529	60	9.9023486	10.1228856	10.2205370

Minut.	53 Grados. Senos.	Tangentes.	Secantes.	Minut.	53 Grados. Senos.	Tangentes.	Secantes.
0	9.9023486	10.1228836	10.2205370	30	9.9051787	10.1307911	10.2256124
1	9.9024438	10.1231485	10.2207047	31	9.9052722	10.1310554	10.2257832
2	9.9025389	10.1234114	10.2208725	32	9.9053656	10.1313196	10.2259541
3	9.9026339	10.1236743	10.2210404	33	9.9054589	10.1315840	10.2261251
4	9.9027289	10.1239373	10.2212084	34	9.9055522	10.1318483	10.2262961
5	9.9028239	10.1242004	10.2213765	35	9.9056454	10.1321127	10.2264683
6	9.9029188	10.1244635	10.2215447	36	9.9057386	10.1323772	10.2266386
7	9.9030136	10.1247266	10.2217130	37	9.9058317	10.1326417	10.2268100
8	9.9031084	10.1249898	10.2218814	38	9.9059247	10.1329063	10.2269815
9	9.9032031	10.1252530	10.2220499	39	9.9060177	10.1331709	10.2271532
10	9.9032977	10.1256162	10.2222185	40	9.9061107	10.1334356	10.2273249
11	9.9033923	10.1257796	10.2223872	41	9.9062036	10.1337003	10.2274967
12	9.9034868	10.1260429	10.2225561	42	9.9062964	10.1339650	10.2276686
13	9.9035813	10.1263063	10.2227250	43	9.9063892	10.1342298	10.2278407
14	9.9036757	10.1265698	10.2228940	44	9.9064819	10.1344947	10.2280128
15	9.9037701	10.1268332	10.2230631	45	9.9065745	10.1347596	10.2281850
16	9.9038644	10.1270968	10.2232324	46	9.9066671	10.1350245	10.2283574
17	9.9039587	10.1273604	10.2234017	47	9.9067597	10.1352895	10.2285298
18	9.9040529	10.1276240	10.2235711	48	9.9068522	10.1355546	10.2287024
19	9.9041470	10.1278877	10.2237407	49	9.9069446	10.1358197	10.2288751
20	9.9042411	10.1281514	10.2239103	50	9.9070370	10.1360848	10.2290478
21	9.9043351	10.1284152	10.2240801	51	9.9071293	10.1363500	10.2292207
22	9.9044291	10.1286790	10.2242499	52	9.9072216	10.1366152	10.2293937
23	9.9045230	10.1289428	10.2244199	53	9.9073138	10.1368805	10.2295668
24	9.9046168	10.1292067	10.2245899	54	9.9074059	10.1371459	10.2297399
25	9.9047106	10.1294707	10.2247601	55	9.9074980	10.1374113	10.2299132
26	9.9048043	10.1297347	10.2249303	56	9.9075901	10.1376767	10.2300866
27	9.9048980	10.1299987	10.2251007	57	9.9076820	10.1379422	10.2302602
28	9.9049916	10.1302628	10.2252712	58	9.9077740	10.1382077	10.2304338
29	9.9050852	10.1305269	10.2254417	59	9.9078658	10.1384733	10.2306075
30	9.9051787	10.1307911	10.2256124	60	9.9079576	10.1387390	10.2307813

Minut.	(56) 54 Grados. Senos.	Tangentes.	Secantes.	Minut.	54 Grados. Senos.	Tangentes.	Secantes.
0	9.9079576	10.1387390	10.2307813	30	9.9106860	10.1467320	10.2360460
1	9.9080494	10.1390046	10.2309552	31	9.9107761	10.1469992	10.2362231
2	9.9081411	10.1392704	10.2311293	32	9.9108661	10.1472665	10.2364004
3	9.9082327	10.1395362	10.2313034	33	9.9109561	10.1475339	10.2365778
4	9.9083243	10.1398020	10.2314777	34	9.9110460	10.1478013	10.2367553
5	9.9084159	10.1400679	10.2316520	35	9.9111359	10.1480688	10.2369329
6	9.9085073	10.1403339	10.2318265	36	9.9112257	10.1483363	10.2371106
7	9.9085988	10.1405998	10.2320011	37	9.9113155	10.1486039	10.2372884
8	9.9086901	10.1408659	10.2321758	38	9.9114051	10.1488715	10.2374663
9	9.9087814	10.1411320	10.2323506	39	9.9114948	10.1491392	10.2376444
10	9.9088727	10.1413981	10.2325254	40	9.9115844	10.1494069	10.2378225
11	9.9089639	10.1416643	10.2327004	41	9.9116739	10.1496747	10.2380008
12	9.9090550	10.1419306	10.2328756	42	9.9117634	10.1499425	10.2381792
13	9.9091461	10.1421969	10.2330508	43	9.9118528	10.1502104	10.2383576
14	9.9092371	10.1424632	10.2332261	44	9.9119422	10.1504784	10.2385362
15	9.9093281	10.1427296	10.2334015	45	9.9120315	10.1507464	10.2387149
16	9.9094190	10.1429961	10.2335771	46	9.9121207	10.1510145	10.2388937
17	9.9095099	10.1432626	10.2337527	47	9.9122099	10.1512826	10.2390726
18	9.9096007	10.1435292	10.2339285	48	9.9122991	10.1515508	10.2392517
19	9.9096915	10.1437958	10.2341043	49	9.9123882	10.1518190	10.2394308
20	9.9097821	10.1440624	10.2342803	50	9.9124772	10.1520873	10.2396101
21	9.9098728	10.1443292	10.2344564	51	9.9125662	10.1523556	10.2397894
22	9.9099634	10.1445959	10.2346326	52	9.9126551	10.1526240	10.2399689
23	9.9100539	10.1448628	10.2348089	53	9.9127440	10.1528925	10.2401485
24	9.9101444	10.1451296	10.2349853	54	9.9128328	10.1531610	10.2403282
25	9.9102348	10.1453966	10.2351618	55	9.9129215	10.1534295	10.2405080
26	9.9103251	10.1456635	10.2353384	56	9.9130102	10.1536982	10.2406879
27	9.9104155	10.1459306	10.2355151	57	9.9130989	10.1539668	10.2408679
28	9.9105057	10.1461977	10.2356920	58	9.9131875	10.1542356	10.2410481
29	9.9105959	10.1464648	10.2358689	59	9.9132760	10.1545044	10.2412283
30	9.9106860	10.1467320	10.2360460	60	9.9133645	10.1547732	10.2414087

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9133645	10.1547732	10.2414087	30	9.9159937	10.1628657	10.2468720
1	9.9134530	10.1550421	10.2415892	31	9.9160805	10.1631364	10.2470558
2	9.9135413	10.1553111	10.2417698	32	9.9161673	10.1634071	10.2472398
3	9.9136296	10.1555801	10.2419505	33	9.9162539	10.1636779	10.2474239
4	9.9137179	10.1558492	10.2421313	34	9.9163406	10.1639487	10.2476081
5	9.9138061	10.1561183	10.2423122	35	9.9164272	10.1642196	10.2477925
6	9.9138943	10.1563875	10.2424932	36	9.9165137	10.1644906	10.2479769
7	9.9139824	10.1566568	10.2426744	37	9.9166002	10.1647616	10.2481615
8	9.9140704	10.1569261	10.2428556	38	9.9166866	10.1650327	10.2483462
9	9.9141584	10.1571954	10.2430370	39	9.9167730	10.1653039	10.2485309
10	9.9142464	10.1574649	10.2432185	40	9.9168593	10.1655751	10.2487158
11	9.9143342	10.1577343	10.2434001	41	9.9169455	10.1658464	10.2489009
12	9.9144221	10.1580039	10.2435818	42	9.9170317	10.1661177	10.2490860
13	9.9145099	10.1582735	10.2437636	43	9.9171179	10.1663891	10.2492713
14	9.9145976	10.1585431	10.2439456	44	9.9172040	10.1666606	10.2494566
15	9.9146852	10.1588129	10.2441276	45	9.9172900	10.1669321	10.2496421
16	9.9147729	10.1590826	10.2443098	46	9.9173760	10.1672037	10.2498277
17	9.9148604	10.1593525	10.2444920	47	9.9174619	10.1674754	10.2500134
18	9.9149479	10.1596224	10.2446744	48	9.9175478	10.1677471	10.2501993
19	9.9150354	10.1598923	10.2448569	49	9.9176336	10.1680189	10.2503852
20	9.9151228	10.1601623	10.2450396	50	9.9177194	10.1682907	10.2505713
21	9.9152101	10.1604324	10.2452223	51	9.9178051	10.1685626	10.2507575
22	9.9152974	10.1607025	10.2454051	52	9.9178908	10.1688346	10.2509438
23	9.9153846	10.1609727	10.2455881	53	9.9179764	10.1691066	10.2511302
24	9.9154718	10.1612429	10.2457712	54	9.9180620	10.1693787	10.2513167
25	9.9155589	10.1615133	10.2459543	55	9.9181475	10.1696508	10.2515033
26	9.9156460	10.1617836	10.2461376	56	9.9182329	10.1699231	10.2516901
27	9.9157330	10.1620540	10.2463210	57	9.9183183	10.1701953	10.2518770
28	9.9158200	10.1623245	10.2465046	58	9.9184037	10.1704677	10.2520640
29	9.9159069	10.1625951	10.2466882	59	9.9184890	10.1707401	10.2522511
30	9.9159937	10.1628657	10.2468720	60	9.9185742	10.1710126	10.2524383

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9185742	10.1710126	10.2524383	30	9.9211066	10.1792171	10.2581105
1	9.9186594	10.1712851	10.2526257	31	9.9211902	10.1794916	10.2583014
2	9.9187445	10.1715577	10.2528132	32	9.9212737	10.1797662	10.2584925
3	9.9188296	10.1718304	10.2530008	33	9.9213572	10.1800408	10.2586836
4	9.9189146	10.1721031	10.2531885	34	9.9214406	10.1803156	10.2588749
5	9.9189996	10.1723759	10.2533763	35	9.9215240	10.1805904	10.2590663
6	9.9190845	10.1726487	10.2535642	36	9.9216073	10.1808652	10.2592579
7	9.9191694	10.1729217	10.2537523	37	9.9216906	10.1811401	10.2594495
8	9.9192542	10.1731947	10.2539405	38	9.9217738	10.1814151	10.2596413
9	9.9193390	10.1734677	10.2541288	39	9.9218570	10.1816902	10.2598332
10	9.9194237	10.1737408	10.2543172	40	9.9210401	10.1819653	10.2600252
11	9.9195083	10.1740140	10.2545057	41	9.9220232	10.1822405	10.2602153
12	9.9195929	10.1742873	10.2546944	42	9.9221062	10.1825158	10.2604096
13	9.9196775	10.1745606	10.2548831	43	9.9221891	10.1827911	10.2606020
14	9.9197619	10.1748340	10.2550720	44	9.9222721	10.1830665	10.2607945
15	9.9198464	10.1751074	10.2552610	45	9.9223549	10.1833420	10.2609871
16	9.9199308	10.1753809	10.2554502	46	9.9224377	10.1836176	10.2611799
17	9.9200151	10.1756545	10.2556394	47	9.9225205	10.1838932	10.2613727
18	9.9200994	10.1759281	10.2558288	48	9.9226032	10.1841689	10.2615657
19	9.9201836	10.1762019	10.2560183	49	9.9226858	10.1844446	10.2617588
20	9.9202678	10.1764756	10.2562079	50	9.9227684	10.1847205	10.2619521
21	9.9203519	10.1767495	10.2563976	51	9.9228509	10.1849964	10.2621454
22	9.9204360	10.1770234	10.2565874	52	9.9229334	10.1852723	10.2623389
23	9.9205200	10.1772974	10.2567774	53	9.9230158	10.1855484	10.2625325
24	9.9206039	10.1775714	10.2569675	54	9.9230982	10.1858245	10.2627263
25	9.9206878	10.1778455	10.2571577	55	9.9231805	10.1861007	10.2629201
26	9.9207717	10.1781197	10.2573480	56	9.9232628	10.1863769	10.2631141
27	9.9208555	10.1783940	10.2575384	57	9.9233450	10.1866532	10.2633082
28	9.9209393	10.1786683	10.2577290	58	9.9234272	10.1869296	10.2635024
29	9.9210229	10.1789426	10.2579197	59	9.9235093	10.1872061	10.2636968
30	9.9211066	10.1792171	10.2581105	60	9.9235914	10.1874826	10.2638912

Minut.	57 Grados. Senos.	Tangentes.	Secantes.	Minut.	57 Grados. Senos.	Tangentes.	Secantes.
0	9.9235914	10.1874826	10.2638912	30	9.9260292	10.1958127	10.2697835
1	9.9236734	10.1877592	10.2640858	31	9.9261096	10.1960915	10.2699818
2	9.9237554	10.1880359	10.2642805	32	9.9261901	10.1963704	10.2701803
3	9.9238373	10.1883127	10.2644754	33	9.9262704	10.1966494	10.2703789
4	9.9239191	10.1885895	10.2646704	34	9.9263507	10.1969284	10.2705777
5	9.9240010	10.1888664	10.2648655	35	9.9264310	10.1972075	10.2707766
6	9.9240827	10.1891434	10.2650607	36	9.9265112	10.1974867	10.2709756
7	9.9241644	10.1894204	10.2652560	37	9.9265913	10.1977660	10.2711747
8	9.9242461	10.1896975	10.2654515	38	9.9266714	10.1980454	10.2713789
9	9.9243277	10.1899747	10.2656471	39	9.9267514	10.1983248	10.2715733
10	9.9244092	10.1902520	10.2658428	40	9.9268314	10.1986043	10.2717729
11	9.9244907	10.1905293	10.2660386	41	9.9269114	10.1988839	10.2719725
12	9.9245721	10.1908067	10.2662346	42	9.9269913	10.1991635	10.2721723
13	9.9246535	10.1910842	10.2664307	43	9.9270711	10.1994433	10.2723722
14	9.9247349	10.1913617	10.2666269	44	9.9271509	10.1997231	10.2725722
15	9.9248161	10.1916394	10.2668232	45	9.9272306	10.2000030	10.2727724
16	9.9248974	10.1919171	10.2670197	46	9.9273103	10.2002830	10.2729727
17	9.9249786	10.1921948	10.2672163	47	9.9273899	10.2005630	10.2731731
18	9.9250597	10.1924727	10.2674130	48	9.9274695	10.2008431	10.2733736
19	9.9251408	10.1927506	10.2676098	49	9.9275490	10.2011233	10.2735743
20	9.9252218	10.1930286	10.2678068	50	9.9276285	10.2014036	10.2737751
21	9.9253028	10.1933067	10.2680039	51	9.9277079	10.2016840	10.2739760
22	9.9253837	10.1935848	10.2682011	52	9.9277873	10.2019644	10.2741771
23	9.9254646	10.1938630	10.2683985	53	9.9278666	10.2022449	10.2743783
24	9.9255454	10.1941413	10.2685960	54	9.9279459	10.2025255	10.2745796
25	9.9256261	10.1944197	10.2687936	55	9.9280251	10.2028062	10.2747811
26	9.9257069	10.1946981	10.2689913	56	9.9281043	10.2030870	10.2749826
27	9.9257875	10.1949767	10.2691891	57	9.9281834	10.2033678	10.2751844
28	9.9258681	10.1952553	10.2693871	58	9.9282625	10.2036487	10.2753862
29	9.9259487	10.1955339	10.2695852	59	9.9283415	10.2039297	10.2755882
30	9.9260292	10.1958127	10.2697835	60	9.9284205	10.2042108	10.2757903

Minut.	(60) 58 Grados. Senos.	Tangentes.	Secantes.	Minut.	58 Grados. Senos.	Tangentes.	Secantes.
0	9.9284205	10.2042108	10.2757903	30	9.9307658	10.2126807	10.2819149
1	9.9284994	10.2044919	10.2759925	31	9.9308432	10.2129643	10.2821211
2	9.9285783	10.2047732	10.2761949	32	9.9309205	10.2132480	10.2823275
3	9.9286571	10.2050545	10.2763974	33	9.9309978	10.2135318	10.2825340
4	9.9287358	10.2053359	10.2766000	34	9.9310750	10.2138156	10.2827406
5	9.9288145	10.2056173	10.2768028	35	9.93 1522	10.2140996	10.2829474
6	9.9288932	10.2058989	10.2770057	36	9.9312294	10.2143836	10.2831542
7	9.9289718	10.2061805	10.2772087	37	9.9313065	10.2146677	10.2833613
8	9.9290504	10.2064622	10.2774119	38	9.9313835	10.2149519	10.2835684
9	9.9291289	10.2067440	10.2776152	39	9.9314605	10.2152362	10.2837757
10	9.9292073	10.2070259	10.2778186	40	9.9315374	10.2155206	10.2839832
11	9.9292857	10.2073079	10.2780221	41	9.9316143	10.2158051	10.2841908
12	9.9293641	10.2075899	10.2782258	42	9.9316911	10.2160896	10.2843985
13	9.9294424	10.2078720	10.2784296	43	9.9317679	10.2163742	10.2846063
14	9.9295207	10.2081542	10.2786336	44	9.9318447	10.2166590	10.2848143
15	9.9295989	10.2084365	10.2788377	45	9.9319213	10.2169438	10.2850224
16	9.9296770	10.2087189	10.2790419	46	9.9319980	10.2172287	10.2852307
17	9.9297551	10.2090013	10.2792462	47	9.9320746	10.2175136	10.2854391
18	9.9298332	10.2092839	10.2794507	48	9.9321511	10.2177987	10.2856476
19	9.9299112	10.2095695	10.2796553	49	9.9322276	10.2180838	10.2858563
20	9.9299891	10.2098492	10.2798601	50	9.9323040	10.2183691	10.2860651
21	9.9300670	10.2101319	10.2800650	51	9.9323804	10.2186544	10.2862740
22	9.9301448	10.2104148	10.2802700	52	9.9324567	10.2189398	10.2864831
23	9.9302226	10.2106977	10.2804751	53	9.9325330	10.2192253	10.2866923
24	9.9303004	10.2109808	10.2806804	54	9.9326092	10.2195109	10.2869017
25	9.9303781	10.2112639	10.2808858	55	9.9326854	10.2197966	10.2871111
26	9.9304557	10.2115471	10.2810914	56	9.9327616	10.2200823	10.2873208
27	9.9305333	10.2118304	10.2912970	57	9.9328376	10.2203682	10.2875305
28	9.9306109	10.2121137	10.2815029	58	9.9329137	10.2206541	10.2877404
29	9.9306883	10.2123972	10.2817088	59	9.9329897	10.2209401	10.2879505
30	9.9307658	10.2126807	10.2819149	60	9.9330656	10.2212263	10.2881607

Minut.	59 Grados. Senos.	Tangentes.	Secantes.	Minut.	59 Grados. Senos.	Tangentes.	Secantes.
0	9.9330656	10.2212263	10.2881607	30	9.9353204	10.2298515	10.2945311
1	9.9331415	10.2215125	10.2883710	31	9.9353948	10.2301404	10.2947457
2	9.9332173	10.2217988	10.2885814	32	9.9354691	10.2304295	10.2949603
3	9.9332931	10.2220851	10.2887920	33	9.9355434	10.2307186	10.2951752
4	9.9333688	10.2223716	10.2890028	34	9.9356177	10.2310078	10.2953901
5	9.9334445	10.2226582	10.2892137	35	9.9356918	10.2312971	10.2956053
6	9.9335201	10.2229448	10.2894247	36	9.9357660	10.2315865	10.2958205
7	9.9335957	10.2232315	10.2896358	37	9.9358401	10.2318760	10.2960359
8	9.9336713	10.2235184	10.2898471	38	9.9359141	10.2321656	10.2962514
9	9.9337467	10.2238053	10.2900585	39	9.9359881	10.2324552	10.2964671
10	9.9338222	10.2240923	10.2902701	40	9.9360621	10.2327450	10.2966830
11	9.9338976	10.2243794	10.2904818	41	9.9361360	10.2330349	10.2968989
12	9.9339729	10.2246666	10.2906937	42	9.9362098	10.2333249	10.2971151
13	9.9340482	10.2249538	10.2909057	43	9.9362836	10.2336149	10.2973313
14	9.9341234	10.2252412	10.2911178	44	9.9363574	10.2339051	10.2975477
15	9.9341986	10.2255287	10.2913301	45	9.9364311	10.2341953	10.2977643
16	9.9342737	10.2258162	10.2915425	46	9.9365047	10.2344857	10.2979810
17	9.9343488	10.2261039	10.2917550	47	9.9365783	10.2347761	10.2981978
18	9.9344238	10.2263916	10.2919677	48	9.9366519	10.2350666	10.2984148
19	9.9344988	10.2266794	10.2921806	49	9.9367254	10.2353573	10.2986319
20	9.9345738	10.2269673	10.2923936	50	9.9367988	10.2356480	10.2988492
21	9.9346486	10.2272553	10.2926067	51	9.9368722	10.2359388	10.2990666
22	9.9347235	10.2275434	10.2928199	52	9.9369456	10.2362298	10.2992842
23	9.9347983	10.2278316	10.2930333	53	9.9370189	10.2365208	10.2995019
24	9.9348730	10.2281199	10.2932469	54	9.9370921	10.2368119	10.2997198
25	9.9349477	10.2284083	10.2934606	55	9.9371653	10.2371031	10.2999378
26	9.9350223	10.2286967	10.2936744	56	9.9372385	10.2373944	10.3001559
27	9.9350969	10.2289853	10.2938884	57	9.9373116	10.2376858	10.3003742
28	9.9351715	10.2292739	10.2941025	58	9.9373847	10.2379773	10.3005927
29	9.9352459	10.2295627	10.2943167	59	9.9374577	10.2382689	10.3008113
30	9.9353204	10.2298515	10.2945311	60	9.9375306	10.2385606	10.3010300

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9375306	10.2385606	10.3010300	30	9.9396968	10.2473580	10.3076612
1	9.9376035	10.2388524	10.3012489	31	9.9397682	10.2476528	10.3078845
2	9.9376764	10.2391443	10.3014679	32	9.9398396	10.2479477	10.3081081
3	9.9377492	10.2394363	10.3016871	33	9.9399110	10.2482427	10.3083317
4	9.9378220	10.2397284	10.3019064	34	9.9399823	10.2485378	10.3085555
5	9.9378947	10.2400206	10.3021259	35	9.9400535	10.2488331	10.3087795
6	9.9379674	10.2403129	10.3023455	36	9.9401248	10.2491284	10.3090036
7	9.9380400	10.2406053	10.3025653	37	9.9401959	10.2494238	10.3092279
8	9.9381126	10.2408978	10.3027852	38	9.9402670	10.2497194	10.3094524
9	9.9381851	10.2411904	10.3030053	39	9.9403381	10.2500150	10.3096769
10	9.9382576	10.2414830	10.3032255	40	9.9404091	10.2503108	10.3099017
11	9.9383300	10.2417758	10.3034459	41	9.9404801	10.2506066	10.3101266
12	9.9384024	10.2420687	10.3036664	42	9.9405510	10.2509026	10.3103516
13	9.9384747	10.2423617	10.3038870	43	9.9406219	10.2511987	10.3105768
14	9.9385470	10.2426548	10.3041078	44	9.9406927	10.2514948	10.3108022
15	9.9386192	10.2429480	10.3043288	45	9.9407634	10.2517911	10.3110277
16	9.9386914	10.2432413	10.3045499	46	9.9408342	10.2520875	10.3112533
17	9.9387635	10.2435347	10.3047712	47	9.9409048	10.2523840	10.3114791
18	9.9388356	10.2438282	10.3049926	48	9.9409755	10.2526806	10.3117051
19	9.9389076	10.2441217	10.3052141	49	9.9410461	10.2529773	10.3119312
20	9.9389796	10.2444154	10.3054358	50	9.9411166	10.2532741	10.3121575
21	9.9390515	10.2447092	10.3056577	51	9.9411871	10.2535710	10.3123839
22	9.9391234	10.2450031	10.3058797	52	9.9412575	10.2538680	10.3126105
23	9.9391953	10.2452971	10.3061019	53	9.9413279	10.2541651	10.3128372
24	9.9392671	10.2455912	10.3063242	54	9.9413982	10.2544624	10.3130641
25	9.9393388	10.2458854	10.3065466	55	9.9414685	10.2547597	10.3132912
26	9.9394105	10.2461797	10.3067692	56	9.9415388	10.2550572	10.3135184
27	9.9394821	10.2464741	10.3069920	57	9.9416090	10.2553547	10.3137458
28	9.9395537	10.2467686	10.3072149	58	9.9416791	10.2556524	10.3139733
29	9.9396253	10.2470632	10.3074380	59	9.9417492	10.2559501	10.3142009
30	9.9396968	10.2473580	10.3076612	60	9.9418193	10.2562480	10.3144288

Minut.	61 Grados. Senos.	Tangentes.	Secantes.	Minut.	61 Grados. Senos.	Tangentes.	Secantes.
0	9.9418193	10.2562480	10.3144288	30	9.9438985	10.2652356	10.3213371
1	9.9418893	10.2565460	10.3146568	31	9.9439671	10.2655369	10.3215699
2	9.9419592	10.2568441	10.3148849	32	9.9440356	10.2658384	10.3218028
3	9.9420291	10.2571423	10.3151132	33	9.9441041	10.2661399	10.3220358
4	9.9420990	10.2574406	10.3153417	34	9.9441725	10.2664416	10.3222691
5	9.9421688	10.2577391	10.3155703	35	9.9442409	10.2667434	10.3225025
6	9.9422386	10.2580376	10.3157990	36	9.9443092	10.2670453	10.3227360
7	9.9423083	10.2583362	10.3160280	37	9.9443775	10.2673473	10.3229698
8	9.9423779	10.2586350	10.3162570	38	9.9444457	10.2676494	10.3232037
9	9.9424476	10.2589338	10.3164863	39	9.9445139	10.2679516	10.3234377
10	9.9425171	10.2592328	10.3167157	40	9.9445821	10.2682540	10.3236719
11	9.9425866	10.2595319	10.3169452	41	9.9446501	10.2685564	10.3239063
12	9.9426561	10.2598311	10.3171750	42	9.9447182	10.2688590	10.3241408
13	9.9427255	10.2601304	10.3174048	43	9.9447862	10.2691617	10.3243755
14	9.9427949	10.2604298	10.3176349	44	9.9448541	10.2694646	10.3246104
15	9.9428643	10.2607293	10.3178651	45	9.9449220	10.2697675	10.3248454
16	9.9429335	10.2610290	10.3180954	46	9.9449899	10.2700705	10.3250806
17	9.9430028	10.2613287	10.3183259	47	9.9450577	10.2703737	10.3253160
18	9.9430720	10.2616286	10.3185566	48	9.9451255	10.2706770	10.3255515
19	9.9431411	10.2619285	10.3187874	49	9.9451932	10.2709804	10.3257872
20	9.9432102	10.2622286	10.3190184	50	9.9452609	10.2712839	10.3260231
21	9.9432792	10.2625288	10.3192496	51	9.9453285	10.2715876	10.3262591
22	9.9433482	10.2628291	10.3194809	52	9.9453960	10.2718913	10.3264953
23	9.9434172	10.2631295	10.3197123	53	9.9454636	10.2721952	10.3267316
24	9.9434861	10.2634301	10.3199440	54	9.9455310	10.2724992	10.3269681
25	9.9435549	10.2637307	10.3201757	55	9.9455985	10.2728033	10.3272048
26	9.9436238	10.2640315	10.3204077	56	9.9456659	10.2731075	10.3274417
27	9.9436925	10.2643323	10.3206398	57	9.9457332	10.2734119	10.3276787
28	9.9437612	10.2646333	10.3208721	58	9.9458005	10.2737163	10.3279159
29	9.9438299	10.2649344	10.3211045	59	9.9458677	10.2740209	10.3281532
30	9.9438985	10.2652356	10.3213371	60	9.9459349	10.2743256	10.3283907

Minut.	(56) 54 Grados. Senos.	Tangentes.	Secantes.	Minut.	54 Grados. Senos.	Tangentes.	Secantes.
0	9.9079576	10.1387390	10.2307813	30	9.9106860	10.1467320	10.2360460
1	9.9080494	10.1390046	10.2309552	31	9.9107761	10.1469992	10.2362231
2	9.9081411	10.1392704	10.2311293	32	9.9108661	10.1472665	10.2364004
3	9.9082327	10.1395362	10.2313034	33	9.9109561	10.1475339	10.2365778
4	9.9083243	10.1398020	10.2314777	34	9.9110460	10.1478013	10.2367553
5	9.9084159	10.1400679	10.2316520	35	9.9111359	10.1480688	10.2369329
6	9.9085073	10.1403339	10.2318265	36	9.9112257	10.1483363	10.2371106
7	9.9085988	10.1405998	10.2320011	37	9.9113155	10.1486039	10.2372884
8	9.9086901	10.1408659	10.2321758	38	9.9114051	10.1488715	10.2374663
9	9.9087814	10.1411320	10.2323506	39	9.9114948	10.1491392	10.2376444
10	9.9088727	10.1413981	10.2325254	40	9.9115844	10.1494069	10.2378225
11	9.9089639	10.1416643	10.2327004	41	9.9116739	10.1496747	10.2380008
12	9.9090550	10.1419306	10.2328756	42	9.9117634	10.1499425	10.2381792
13	9.9091461	10.1421969	10.2330508	43	9.9118528	10.1502104	10.2383576
14	9.9092371	10.1424632	10.2332261	44	9.9119422	10.1504784	10.2385362
15	9.9093281	10.1427296	10.2334015	45	9.9120315	10.1507464	10.2387149
16	9.9094190	10.1429961	10.2335771	46	9.9121207	10.1510145	10.2388937
17	9.9095099	10.1432626	10.2337527	47	9.9122099	10.1512826	10.2390726
18	9.9096007	10.1435292	10.2339285	48	9.9122991	10.1515508	10.2392517
19	9.9096915	10.1437958	10.2341043	49	9.9123882	10.1518190	10.2394308
20	9.9097821	10.1440624	10.2342803	50	9.9124772	10.1520873	10.2396101
21	9.9098728	10.1443292	10.2344564	51	9.9125662	10.1523556	10.2397894
22	9.9099634	10.1445959	10.2346326	52	9.9126551	10.1526240	10.2399689
23	9.9100539	10.1448628	10.2348089	53	9.9127440	10.1528925	10.2401485
24	9.9101444	10.1451296	10.2349853	54	9.9128328	10.1531610	10.2403282
25	9.9102348	10.1453966	10.2351618	55	9.9129215	10.1534295	10.2405080
26	9.9103251	10.1456635	10.2353384	56	9.9130102	10.1536982	10.2406879
27	9.9104155	10.1459306	10.2355151	57	9.9130989	10.1539668	10.2408679
28	9.9105057	10.1461977	10.2356920	58	9.9131875	10.1542356	10.2410481
29	9.9105959	10.1464648	10.2358689	59	9.9132760	10.1545044	10.2412283
30	9.9106860	10.1467320	10.2360460	60	9.9133645	10.1547732	10.2414087

Minut.	55 Grados. Senos.	Tangentes.	Secantes.	Minut.	55 Grados. Senos.	Tangentes.	Secantes.
0	9.9133645	10.1547732	10.2414087	30	9.9159937	10.1628657	10.2468720
1	9.9134530	10.1550421	10.2415892	31	9.9160805	10.1631364	10.2470558
2	9.9135413	10.1553111	10.2417698	32	9.9161673	10.1634071	10.2472398
3	9.9136296	10.1555801	10.2419505	33	9.9162539	10.1636779	10.2474239
4	9.9137179	10.1558492	10.2421313	34	9.9163406	10.1639487	10.2476081
5	9.9138061	10.1561183	10.2423122	35	9.9164272	10.1642196	10.2477925
6	9.9138943	10.1563875	10.2424932	36	9.9165137	10.1644906	10.2479769
7	9.9139824	10.1566568	10.2426744	37	9.9166002	10.1647616	10.2481615
8	9.9140704	10.1569261	10.2428556	38	9.9166866	10.1650327	10.2483462
9	9.9141584	10.1571954	10.2430370	39	9.9167730	10.1653039	10.2485309
10	9.9142464	10.1574649	10.2432185	40	9.9168593	10.1655751	10.2487158
11	9.9143342	10.1577343	10.2434001	41	9.9169455	10.1658464	10.2489009
12	9.9144221	10.1580039	10.2435818	42	9.9170317	10.1661177	10.2490860
13	9.9145099	10.1582735	10.2437636	43	9.9171179	10.1663891	10.2492713
14	9.9145976	10.1585431	10.2439456	44	9.9172040	10.1666606	10.2494566
15	9.9146852	10.1588129	10.2441276	45	9.9172900	10.1669321	10.2496421
16	9.9147729	10.1590826	10.2443098	46	9.9173760	10.1672037	10.2498277
17	9.9148604	10.1593525	10.2444920	47	9.9174619	10.1674754	10.2500134
18	9.9149479	10.1596224	10.2446744	48	9.9175478	10.1677471	10.2501993
19	9.9150354	10.1598923	10.2448569	49	9.9176336	10.1680189	10.2503852
20	9.9151228	10.1601623	10.2450396	50	9.9177194	10.1682907	10.2505713
21	9.9152101	10.1604324	10.2452223	51	9.9178051	10.1685626	10.2507575
22	9.9152974	10.1607025	10.2454051	52	9.9178908	10.1688346	10.2509438
23	9.9153846	10.1609727	10.2455881	53	9.9179764	10.1691066	10.2511302
24	9.9154718	10.1612429	10.2457712	54	9.9180620	10.1693787	10.2513167
25	9.9155589	10.1615133	10.2459543	55	9.9181475	10.1696508	10.2515033
26	9.9156460	10.1617836	10.2461376	56	9.9182329	10.1699231	10.2516901
27	9.9157330	10.1620540	10.2463210	57	9.9183183	10.1701953	10.2518770
28	9.9158200	10.1623245	10.2465046	58	9.9184037	10.1704677	10.2520640
29	9.9159069	10.1625951	10.2466882	59	9.9184890	10.1707401	10.2522511
30	9.9159937	10.1628657	10.2468720	60	9.9185742	10.1710126	10.2524383

Minut.	(58) 56 Grados. Senos.	Tangentes.	Secantes.	Minut.	56 Grados. Senos.	Tangentes.	Secantes.
0	9.9185742	10.1710126	10.2524383	30	9.9211066	10.1792171	10.2581105
1	9.9186594	10.1712851	10.2526257	31	9.9211902	10.1794916	10.2583014
2	9.9187445	10.1715577	10.2528132	32	9.9212737	10.1797662	10.2584925
3	9.9188296	10.1718304	10.2530008	33	9.9213572	10.1800408	10.2586836
4	9.9189146	10.1721031	10.2531885	34	9.9214406	10.1803156	10.2588749
5	9.9189996	10.1723759	10.2533763	35	9.9215240	10.1805904	10.2590663
6	9.9190845	10.1726487	10.2535642	36	9.9216073	10.1808652	10.2592579
7	9.9191694	10.1729217	10.2537523	37	9.9216906	10.1811401	10.2594495
8	9.9192542	10.1731947	10.2539405	38	9.9217738	10.1814151	10.2596413
9	9.9193390	10.1734677	10.2541288	39	9.9218570	10.1816902	10.2598332
10	9.9194237	10.1737408	10.2543172	40	9.9210401	10.1819653	10.2600252
11	9.9195083	10.1740140	10.2545057	41	9.9220232	10.1822405	10.2602153
12	9.9195929	10.1742873	10.2546944	42	9.9221062	10.1825158	10.2604096
13	9.9196775	10.1745606	10.2548831	43	9.9221891	10.1827911	10.2606020
14	9.9197619	10.1748340	10.2550720	44	9.9222721	10.1830665	10.2607945
15	9.9198464	10.1751074	10.2552610	45	9.9223549	10.1833420	10.2609871
16	9.9199308	10.1753809	10.2554502	46	9.9224377	10.1836176	10.2611799
17	9.9200151	10.1756545	10.2556394	47	9.9225205	10.1838932	10.2613727
18	9.9200994	10.1759281	10.2558288	48	9.9226032	10.1841689	10.2615657
19	9.9201836	10.1762019	10.2560183	49	9.9226858	10.1844446	10.2617588
20	9.9202678	10.1764756	10.2562079	50	9.9227684	10.1847205	10.2619521
21	9.9203519	10.1767495	10.2563976	51	9.9228509	10.1849964	10.2621454
22	9.9204360	10.1770234	10.2565874	52	9.9229334	10.1852723	10.2623389
23	9.9205200	10.1772974	10.2567774	53	9.9230158	10.1855484	10.2625325
24	9.9206039	10.1775714	10.2569675	54	9.9230982	10.1858245	10.2627263
25	9.9206878	10.1778455	10.2571577	55	9.9231805	10.1861007	10.2629201
26	9.9207717	10.1781197	10.2573480	56	9.9232628	10.1863769	10.2631141
27	9.9208555	10.1783940	10.2575384	57	9.9233450	10.1866532	10.2633082
28	9.9209393	10.1786683	10.2577290	58	9.9234272	10.1869296	10.2635024
29	9.9210229	10.1789426	10.2579197	59	9.9235093	10.1872061	10.2636968
30	9.9211066	10.1792171	10.2581105	60	9.9235914	10.1874826	10.2638912

Minut.	57 Grados. Senos.	Tangentes.	Secantes.	Minut.	57 Grados. Senos.	Tangentes.	Secantes.
0	9.9235914	10.1874826	10.2638912	30	9.9260292	10.1958127	10.2697835
1	9.9236734	10.1877592	10.2640858	31	9.9261096	10.1960915	10.2699818
2	9.9237554	10.1880359	10.2642805	32	9.9261901	10.1963704	10.2701803
3	9.9238373	10.1883127	10.2644754	33	9.9262704	10.1966494	10.2703789
4	9.9239191	10.1885895	10.2646704	34	9.9263507	10.1969284	10.2705777
5	9.9240010	10.1888664	10.2648655	35	9.9264310	10.1972075	10.2707766
6	9.9240827	10.1891434	10.2650607	36	9.9265112	10.1974867	10.2709756
7	9.9241644	10.1894204	10.2652560	37	9.9265913	10.1977660	10.2711747
8	9.9242461	10.1896975	10.2654515	38	9.9266714	10.1980454	10.2713789
9	9.9243277	10.1899747	10.2656471	39	9.9267514	10.1983248	10.2715733
10	9.9244092	10.1902520	10.2658428	40	9.9268314	10.1986043	10.2717729
11	9.9244907	10.1905293	10.2660386	41	9.9269114	10.1988839	10.2719725
12	9.9245721	10.1908067	10.2662346	42	9.9269913	10.1991635	10.2721723
13	9.9246535	10.1910842	10.2664307	43	9.9270711	10.1994433	10.2723722
14	9.9247349	10.1913617	10.2666269	44	9.9271509	10.1997231	10.2725722
15	9.9248161	10.1916394	10.2668232	45	9.9272306	10.2000030	10.2727724
16	9.9248974	10.1919171	10.2670197	46	9.9273103	10.2002830	10.2729727
17	9.9249786	10.1921948	10.2672163	47	9.9273899	10.2005630	10.2731731
18	9.9250597	10.1924727	10.2674130	48	9.9274695	10.2008431	10.2733736
19	9.9251408	10.1927506	10.2676098	49	9.9275490	10.2011233	10.2735743
20	9.9252218	10.1930286	10.2678068	50	9.9276285	10.2014036	10.2737751
21	9.9253028	10.1933067	10.2680039	51	9.9277079	10.2016840	10.2739760
22	9.9253837	10.1935848	10.2682011	52	9.9277873	10.2019644	10.2741771
23	9.9254646	10.1938630	10.2683985	53	9.9278666	10.2022449	10.2743783
24	9.9255454	10.1941413	10.2685960	54	9.9279459	10.2025255	10.2745796
25	9.9256261	10.1944197	10.2687936	55	9.9280251	10.2028062	10.2747811
26	9.9257069	10.1946981	10.2689913	56	9.9281043	10.2030870	10.2749826
27	9.9257875	10.1949767	10.2691891	57	9.9281834	10.2033678	10.2751844
28	9.9258681	10.1952553	10.2693871	58	9.9282625	10.2036487	10.2753862
29	9.9259487	10.1955339	10.2695852	59	9.9283415	10.2039297	10.2755882
30	9.9260292	10.1958127	10.2697835	60	9.9284205	10.2042108	10.2757903

Minut.	(60) 58 Grados. Senos.	Tangentes.	Secantes.	Minut.	58 Grados. Senos.	Tangentes.	Secantes.
0	9.9284205	10.2042108	10.2757903	30	9.9307658	10.2126807	10.2819149
1	9.9284994	10.2044919	10.2759925	31	9.9308432	10.2129643	10.2821211
2	9.9285783	10.2047732	10.2761949	32	9.9309205	10.2132480	10.2823275
3	9.9286571	10.2050545	10.2763974	33	9.9309978	10.2135318	10.2825340
4	9.9287358	10.2053359	10.2766000	34	9.9310750	10.2138156	10.2827406
5	9.9288145	10.2056173	10.2768028	35	9.93 1522	10.2140996	10.2829474
6	9.9288932	10.2058989	10.2770057	36	9.9312294	10.2143836	10.2831542
7	9.9289718	10.2061805	10.2772087	37	9.9313065	10.2146677	10.2833613
8	9.9290504	10.2064622	10.2774119	38	9.9313835	10.2149519	10.2835684
9	9.9291289	10.2067440	10.2776152	39	9.9314605	10.2152362	10.2837757
10	9.9292073	10.2070259	10.2778186	40	9.9315374	10.2155206	10.2839832
11	9.9292857	10.2073079	10.2780221	41	9.9316143	10.2158051	10.2841908
12	9.9293641	10.2075899	10.2782258	42	9.9316911	10.2160896	10.2843985
13	9.9294424	10.2078720	10.2784296	43	9.9317679	10.2163742	10.2846063
14	9.9295207	10.2081542	10.2786336	44	9.9318447	10.2166590	10.2848143
15	9.9295989	10.2084365	10.2788377	45	9.9319213	10.2169438	10.2850224
16	9.9296770	10.2087189	10.2790419	46	9.9319980	10.2172287	10.2852307
17	9.9297551	10.2090013	10.2792462	47	9.9320746	10.2175136	10.2854391
18	9.9298332	10.2092839	10.2794507	48	9.9321511	10.2177987	10.2856476
19	9.9299112	10.2095695	10.2796553	49	9.9322276	10.2180838	10.2858563
20	9.9299891	10.2098492	10.2798601	50	9.9323040	10.2183691	10.2860651
21	9.9300670	10.2101319	10.2800650	51	9.9323804	10.2186544	10.2862740
22	9.9301448	10.2104148	10.2802700	52	9.9324567	10.2189398	10.2864831
23	9.9302226	10.2106977	10.2804751	53	9.9325330	10.2192253	10.2866923
24	9.9303004	10.2109808	10.2806804	54	9.9326092	10.2195109	10.2869017
25	9.9303781	10.2112639	10.2808858	55	9.9326854	10.2197966	10.2871111
26	9.9304557	10.2115471	10.2810914	56	9.9327616	10.2200823	10.2873208
27	9.9305333	10.2118304	10.2912970	57	9.9328376	10.2203682	10.2875305
28	9.9306109	10.2121137	10.2815029	58	9.9329137	10.2206541	10.2877404
29	9.9306883	10.2123972	10.2817088	59	9.9329897	10.2209401	10.2879505
30	9.9307658	10.2126807	10.2819149	60	9.9330656	10.2212263	10.2881607

Minut.	59 Grados. Senos.	Tangentes.	Secantes.	Minut.	59 Grados. Senos.	Tangentes.	Secantes.
0	9.9330656	10.2212263	10.2881607	30	9.9353204	10.2298515	10.2945311
1	9.9331415	10.2215125	10.2883710	31	9.9353948	10.2301404	10.2947457
2	9.9332173	10.2217988	10.2885814	32	9.9354691	10.2304295	10.2949603
3	9.9332931	10.2220851	10.2887920	33	9.9355434	10.2307186	10.2951752
4	9.9333688	10.2223716	10.2890028	34	9.9356177	10.2310078	10.2953901
5	9.9334445	10.2226582	10.2892137	35	9.9356918	10.2312971	10.2956053
6	9.9335201	10.2229448	10.2894247	36	9.9357660	10.2315865	10.2958205
7	9.9335957	10.2232315	10.2896358	37	9.9358401	10.2318760	10.2960359
8	9.9336713	10.2235184	10.2898471	38	9.9359141	10.2321656	10.2962514
9	9.9337467	10.2238053	10.2900585	39	9.9359881	10.2324552	10.2964671
10	9.9338222	10.2240923	10.2902701	40	9.9360621	10.2327450	10.2966830
11	9.9338976	10.2243794	10.2904818	41	9.9361360	10.2330349	10.2968989
12	9.9339729	10.2246666	10.2906937	42	9.9362098	10.2333249	10.2971151
13	9.9340482	10.2249538	10.2909057	43	9.9362836	10.2336149	10.2973313
14	9.9341234	10.2252412	10.2911178	44	9.9363574	10.2339051	10.2975477
15	9.9341986	10.2255287	10.2913301	45	9.9364311	10.2341953	10.2977643
16	9.9342737	10.2258162	10.2915425	46	9.9365047	10.2344857	10.2979810
17	9.9343488	10.2261039	10.2917550	47	9.9365783	10.2347761	10.2981978
18	9.9344238	10.2263916	10.2919677	48	9.9366519	10.2350666	10.2984148
19	9.9344988	10.2266794	10.2921806	49	9.9367254	10.2353573	10.2986319
20	9.9345738	10.2269673	10.2923936	50	9.9367988	10.2356480	10.2988492
21	9.9346486	10.2272553	10.2926067	51	9.9368722	10.2359388	10.2990666
22	9.9347235	10.2275434	10.2928199	52	9.9369456	10.2362298	10.2992842
23	9.9347983	10.2278316	10.2930333	53	9.9370189	10.2365208	10.2995019
24	9.9348730	10.2281199	10.2932469	54	9.9370921	10.2368119	10.2997198
25	9.9349477	10.2284083	10.2934606	55	9.9371653	10.2371031	10.2999378
26	9.9350223	10.2286967	10.2936744	56	9.9372385	10.2373944	10.3001559
27	9.9350969	10.2289853	10.2938884	57	9.9373116	10.2376858	10.3003742
28	9.9351715	10.2292739	10.2941025	58	9.9373847	10.2379773	10.3005927
29	9.9352459	10.2295627	10.2943167	59	9.9374577	10.2382689	10.3008113
30	9.9353204	10.2298515	10.2945311	60	9.9375306	10.2385606	10.3010300

	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
	9.9375306	10.2385606	10.3010300	30	9.9396968	10.2473580	10.3076612
1	9.9376035	10.2388524	10.3012489	31	9.9397682	10.2476528	10.3078845
2	9.9376764	10.2391443	10.3014679	32	9.9398396	10.2479477	10.3081081
3	9.9377492	10.2394363	10.3016871	33	9.9399110	10.2482427	10.3083317
4	9.9378220	10.2397284	10.3019064	34	9.9399823	10.2485378	10.3085555
5	9.9378947	10.2400206	10.3021259	35	9.9400535	10.2488331	10.3087795
6	9.9379674	10.2403129	10.3023455	36	9.9401248	10.2491284	10.3090036
7	9.9380400	10.2406053	10.3025653	37	9.9401959	10.2494238	10.3092279
8	9.9381126	10.2408978	10.3027852	38	9.9402670	10.2497194	10.3094524
9	9.9381851	10.2411904	10.3030053	39	9.9403381	10.2500150	10.3096769
0	9.9382576	10.2414830	10.3032255	40	9.9404091	10.2503108	10.3099017
1	9.9383300	10.2417758	10.3034459	41	9.9404801	10.2506066	10.3101266
2	9.9384024	10.2420687	10.3036664	42	9.9405510	10.2509026	10.3103516
3	9.9384747	10.2423617	10.3038870	43	9.9406219	10.2511987	10.3105768
4	9.9385470	10.2426548	10.3041078	44	9.9406927	10.2514948	10.3108022
5	9.9386192	10.2429480	10.3043288	45	9.9407634	10.2517911	10.3110277
6	9.9386914	10.2432413	10.3045499	46	9.9408342	10.2520875	10.3112533
7	9.9387635	10.2435347	10.3047712	47	9.9409048	10.2523840	10.3114791
8	9.9388356	10.2438282	10.3049926	48	9.9409755	10.2526806	10.3117051
9	9.9389076	10.2441217	10.3052141	49	9.9410461	10.2529773	10.3119312
0	9.9389796	10.2444154	10.3054358	50	9.9411166	10.2532741	10.3121575
1	9.9390515	10.2447092	10.3056577	51	9.9411871	10.2535710	10.3123839
2	9.9391234	10.2450031	10.3058797	52	9.9412575	10.2538680	10.3126105
3	9.9391953	10.2452971	10.3061019	53	9.9413279	10.2541651	10.3128372
4	9.9392671	10.2455912	10.3063242	54	9.9413982	10.2544624	10.3130641
5	9.9393388	10.2458854	10.3065466	55	9.9414685	10.2547597	10.3132912
6	9.9394105	10.2461797	10.3067692	56	9.9415388	10.2550572	10.3135184
7	9.9394821	10.2464741	10.3069920	57	9.9416090	10.2553547	10.3137458
8	9.9395537	10.2467686	10.3072149	58	9.9416791	10.2556524	10.3139733
9	9.9396253	10.2470632	10.3074380	59	9.9417492	10.2559501	10.3142009
0	9.9396968	10.2473580	10.3076612	60	9.9418193	10.2562480	10.3144288

Minut.	61 Grados. Senos.	Tangentes.	Secantes.	Minut.	61 Grados. Senos.	Tangentes.	Secantes.
0	9.9418193	10.2562480	10.3144288	30	9.9438985	10.2652356	10.3213371
1	9.9418893	10.2565460	10.3146568	31	9.9439671	10.2655369	10.3215699
2	9.9419592	10.2568441	10.3148849	32	9.9440356	10.2658384	10.3218028
3	9.9420291	10.2571423	10.3151132	33	9.9441041	10.2661399	10.3220358
4	9.9420990	10.2574406	10.3153417	34	9.9441725	10.2664416	10.3222691
5	9.9421688	10.2577391	10.3155703	35	9.9442409	10.2667434	10.3225025
6	9.9422386	10.2580376	10.3157990	36	9.9443092	10.2670453	10.3227360
7	9.9423083	10.2583362	10.3160280	37	9.9443775	10.2673473	10.3229698
8	9.9423779	10.2586350	10.3162570	38	9.9444457	10.2676494	10.3232037
9	9.9424476	10.2589338	10.3164863	39	9.9445139	10.2679516	10.3234377
10	9.9425171	10.2592328	10.3167157	40	9.9445821	10.2682540	10.3236719
11	9.9425866	10.2595319	10.3169452	41	9.9446501	10.2685564	10.3239063
12	9.9426561	10.2598311	10.3171750	42	9.9447182	10.2688590	10.3241408
13	9.9427255	10.2601304	10.3174048	43	9.9447862	10.2691617	10.3243755
14	9.9427949	10.2604298	10.3176349	44	9.9448541	10.2694646	10.3246104
15	9.9428643	10.2607293	10.3178651	45	9.9449220	10.2697675	10.3248454
16	9.9429335	10.2610290	10.3180954	46	9.9449899	10.2700705	10.3250806
17	9.9430028	10.2613287	10.3183259	47	9.9450577	10.2703737	10.3253160
18	9.9430720	10.2616286	10.3185566	48	9 9451255	10.2706770	10.3255515
19	9.9431411	10.2619285	10.3187874	49	9.9451932	10.2709804	10.3257872
20	9.9432102	10.2622286	10.3190184	50	9.9452609	10.2712839	10.3260231
21	9.9432792	10.2625288	10.3192496	51	9.9453285	10.2715876	10.3262591
22	9.9433482	10.2628291	10.3194809	52	9.9453960	10.2718913	10.3264953
23	9.9434172	10.2631295	10.3197123	53	9.9454636	10.2721952	10.3267316
24	9.9434861	10.2634301	10.3199440	54	9.9455310	10.2724992	10.3269681
25	9.9435549	10.2637307	10.3201757	55	9.9455985	10.2728033	10.3272048
26	9.9436238	10.2640315	10.3204077	56	9.9456659	10.2731075	10.3274417
27	9.9436925	10.2643323	10.3206398	57	9.9457332	10.2734119	10.3276787
28	9.9437612	10.2646333	10.3208721	58	9.9458005	10.2737163	10.3279159
29	9.9438299	10.2649344	10.3211045	59	9.9458677	10.2740209	10.3281532
30	9.9438985	10.2652356	10.3213371	60	9.9459349	10.2743256	10.3283907

Minut.	(64) 62 Grados. Senos.	Tangentes.	Secantes.	Minut.	62 Grados. Senos.	Tangentes.	Secantes.
0	9.9459349	10.2743256	10.3283907	30	9.9479289	10.2835233	10.3355944
1	9.9460021	10.2746305	10.3286284	31	9.9479947	10.2838318	10.3358372
2	9.9460692	10.2749354	10.3288662	32	9.9480604	10.2841405	10.3360801
3	9.9461362	10.2752405	10.3291042	33	9.9481260	10.2844492	10.3363232
4	9.9462032	10.2755457	10.3293424	34	9.9481916	10.2847581	10.3365665
5	9.9462702	10.2758510	10.3295808	35	9.9482572	10.2850671	10.3368100
6	9.9463371	10.2761564	10.3298193	36	9.9483227	10.2853763	10.3370536
7	9.9464040	10.2764619	10.3300580	37	9.9483881	10.2856855	10.3372974
8	9.9464708	10.2767676	10.3302968	38	9.9484535	10.2859949	10.3375414
9	9.9465376	10.2770734	10.3305358	39	9.9485189	10.2863044	10.3377855
10	9.9466043	10.2773793	10.3307750	40	9.9485842	10.2866141	10.3380298
11	9.9466710	10.2776853	10.3310144	41	9.9486495	10.2869239	10.3382743
12	9.9467376	10.2779915	10.3312539	42	9.9487147	10.2872338	10.3385190
13	9.9468042	10.2782978	10.3314936	43	9.9487799	10.2875438	10.3387639
14	9.9468707	10.2786042	10.3317335	44	9.9488450	10.2878539	10.3390089
15	9.9469372	10.2789107	10.3319735	45	9.9489101	10.2881642	10.3392541
16	9.9470036	10.2792173	10.3322137	46	9.9489752	10.2884746	10.3394995
17	9.9470700	10.2795241	10.3324541	47	9.9490402	10.2887852	10.3397450
18	9.9471364	10.2798310	10.3326946	48	9.9491051	10.2890959	10.3399907
19	9.9472027	10.2801380	10.3329353	49	9.9491700	10.2894067	10.3402367
20	9.9472689	10.2804451	10.3331762	50	9.9492349	10.2897176	10.3404827
21	9.9473352	10.2807524	10.3334172	51	9.9492997	10.2900287	10.3407290
22	9.9474013	10.2810598	10.3336585	52	9.9493645	10.2903399	10.3409754
23	9.9474674	10.2813673	10.3338999	53	9.9494292	10.2906512	10.3412220
24	9.9475335	10.2816749	10.3341414	54	9.9494938	10.2909626	10.3414688
25	9.9475995	10.2819827	10.3343832	55	9.9495585	10.2912742	10.3417158
26	9.9476655	10.2822906	10.3346251	56	9.9496230	10.2915859	10.3419629
27	9.9477314	10.2825986	10.3348671	57	9.9496876	10.2918978	10.3422102
28	9.9477973	10.2829067	10.3351094	58	9.9497521	10.2922098	10.3424577
29	9.9478631	10.2832149	10.3353518	59	9.9498165	10.2925219	10.3427054
30	9.9479289	10.2835233	10.3355944	60	9.9498809	10.2928341	10.3429532

Minut.	63 Grados. Senos.	Tangentes.	Secantes.	Minut.	63 Grados. Senos.	Tangentes.	Secantes.
0	9.9498809	10.2928341	10.3429532	30	9.9517912	10.3022637	10.3504726
1	9.9499452	10.2931465	10.3432013	31	9.9518541	10.3025802	10.3507260
2	9.9500095	10.2934590	10.3434495	32	9.9519171	10.3028968	10.3509797
3	9.9500738	10.2937716	10.3436979	33	9.9519799	10.3032135	10.3512335
4	9.9501380	10.2940844	10.3439464	34	9.9520428	10.3035303	10.3514876
5	9.9502022	10.2943973	10.3441952	35	9.9521055	10.3038473	10.3517418
6	9.9502663	10.2947103	10.3444441	36	9.9521683	10.3041645	10.3519962
7	9.9503303	10.2950235	10.3446932	37	9.9522310	10.3044817	10.3522508
8	9.9503944	10.2953368	10.3449425	38	9.9522936	10.3047991	10.3525055
9	9.9504583	10.2956503	10.3451919	39	9.9523562	10.3051167	10.3527605
10	9.9505223	10.2959638	10.3454416	40	9.9524188	10.3054344	10.3530156
11	9.9505861	10.2962775	10.3456914	41	9.9524813	10.3057522	10.3532710
12	9.9506500	10.2965914	10.3459414	42	9.9525437	10.3060702	10.3535265
13	9.9507138	10.2969054	10.3461916	43	9.9526061	10.3063883	10.3537822
14	9.9507775	10.2972195	10.3464419	44	9.9526685	10.3067066	10.3540381
15	9.9508412	10.2975337	10.3466925	45	9.9527308	10.3070250	10.3542942
16	9.9509049	10.2978481	10.3469432	46	9.9527931	10.3073435	10.3545504
17	9.9509685	10.2981626	10.3471941	47	9.9528553	10.3076622	10.3548069
18	9.9510320	10.2984773	10.3474452	48	9.9529175	10.3079811	10.3550635
19	9.9510956	10.2987920	10.3476965	49	9.9529797	10.3083000	10.3553204
20	9.9511590	10.2991070	10.3479479	50	9.9530418	10.3086191	10.3555774
21	9.9512224	10.2994220	10.3481996	51	9.9531038	10.3089384	10.3558346
22	9.9512858	10.2997372	10.3484514	52	9.9531658	10.3092578	10.3560920
23	9.9513492	10.3000526	10.3487034	53	9.9532278	10.3095774	10.3563496
24	9.9514124	10.3003680	10.3489556	54	9.9532897	10.3098970	10.3566074
25	9.9514757	10.3006836	10.3492080	55	9.9533515	10.3102169	10.3568653
26	9.9515389	10.3009994	10.3494605	56	9.9534134	10.3105369	10.3571235
27	9.9516020	10.3013153	10.3497132	57	9.9534751	10.3108570	10.3573818
28	9.9516651	10.3016313	10.3499662	58	9.9535369	10.3111773	10.3576404
29	9.9517282	10.3019474	10.3502193	59	9.9535985	10.3114977	10.3578991
30	9.9517912	10.3022637	10.3504726	60	9.9536602	10.3118182	10.3581580

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9536602	10.3118182	10.3581580	30	9.9554882	10.3215039	10.3660156
1	9.9537218	10.3121389	10.3584172	31	9.9555485	10.3218291	10.3662806
2	9.9537833	10.3124598	10.3586765	32	9.9556087	10.3221544	10.3665458
3	9.9538448	10.3127808	10.3589360	33	9.9556688	10.3224799	10.3668111
4	9.9539063	10.3131019	10.3591956	34	9.9557289	10.3228056	10.3670767
5	9.9539677	10.3134232	10.3594555	35	9.9557890	10.3231314	10.3673424
6	9.9540291	10.3137447	10.3597156	36	9.9558490	10.3234574	10.3676084
7	9.9540904	10.3140662	10.3599759	37	9.9559089	10.3237835	10.3678745
8	9.9541517	10.3143880	10.3602363	38	9.9559689	10.3241097	10.3681409
9	9.9542129	10.3147099	10.3604970	39	9.9560287	10.3244362	10.3684074
10	9.9542741	10.3150319	10.3607578	40	9.9560886	10.3247628	10.3686742
11	9.9543352	10.3153541	10.3610188	41	9.9561483	10.3250895	10.3689411
12	9.9543963	10.3156764	10.3612801	42	9.9562081	10.3254164	10.3692083
13	9.9544574	10.3559989	10.3615415	43	9.9562678	10.3257434	10.3694757
14	9.9545184	10.3163215	10.3618031	44	9.9563274	10.3260706	10.3697432
15	9.9545793	10.3166443	10.3620649	45	9.9563870	10.3263980	10.3700110
16	9.9546402	10.3169672	10.3623269	46	9.9564466	10.3267255	10.3702789
17	9.9547011	10.3172902	10.3625892	47	9.9565061	10.3270532	10.3705471
18	9.9547619	10.3176135	10.3628516	48	9.9565656	10.3273810	10.3708155
19	9.9548227	10.3179368	10.3631141	49	9.9566250	10.3277090	10.3710840
20	9.9548834	10.3182604	10.3633769	50	9.9566844	10.3280372	10.3713528
21	9.9549441	10.3185840	10.3636399	51	9.9567437	10.3283655	10.3716218
22	9.9550047	10.3189079	10.3639031	52	9.9568030	10.3286940	10.3718910
23	9.9550653	10.3192318	10.3641665	53	9.9568623	10.3290226	10.3721603
24	9.9551259	10.3195560	10.3644301	54	9.9569215	10.3293514	10.3724299
25	9.9551864	10.3198802	10.3646938	55	9.9569806	10.3296803	10.3726997
26	9.9552469	10.3202047	10.3649578	56	9.9570397	10.3300094	10.3729697
27	9.9553073	10.3205292	10.3652220	57	9.9570988	10.3303387	10.3732399
28	9.9553676	10.3208540	10.3654863	58	9.9571578	10.3306681	10.3735103
29	9.9554280	10.3211789	10.3657509	59	9.9572168	10.3309977	10.3737809
30	9.9554882	10.3215039	10.3660156	60	9.9572757	10.3313275	10.3740517

Minut.	65 Grados. Senos.	Tangentes.	Secantes.	Minut.	65 Grados. Senos.	Tangentes.	Secantes.
0	9.9572757	10.3313275	10.3740517	30	9.9590229	10.3412959	10.3822730
1	9.9573346	10.3316574	10.3743228	31	9.9590805	10.3416308	10.3825504
2	9.9573934	10.3319874	10.3745940	32	9.9591380	10.3419659	10.3828279
3	9.9574522	10.3323177	10.3748654	33	9.9591954	10.3423011	10.3831056
4	9.9575110	10.3326481	10.3751371	34	9.9592528	10.3426364	10.3833836
5	9.9575697	10.3329786	10.3754089	35	9.9593102	10.3429720	10.3836618
6	9.9576284	10.3333093	10.3756810	36	9.9593675	10.3433077	10.3839401
7	9.9576870	10.3336402	10.3759532	37	9.9594248	10.3436436	10.3842188
8	9.9577456	10.3339712	10.3762257	38	9.9594821	10.3439796	10.3844976
9	9.9578041	10.3343025	10.3764984	39	9.9595393	10.3443159	10.3847766
10	9.9578626	10.3346338	10.3767713	40	9.9595964	10.3446523	10.3850559
11	9.9579210	10.3349654	10.3770443	41	9.9596535	10.3449888	10.3853353
12	9.9579794	10.3352970	10.3773176	42	9.9597106	10.3453256	10.3856150
13	9.9580378	10.3356289	10.3775912	43	9.9597676	10.3456625	10.3858949
14	9.9580961	10.3359609	10.3778649	44	9.9598246	10.3459996	10.3861750
15	9.9581543	10.3362931	10.3781388	45	9.9598815	10.3463369	10.3864554
16	9.9582125	10.3366255	10.3784129	46	9.9599384	10.3466743	10.3867359
17	9.9582707	10.3369580	10.3786873	47	9.9599952	10.3470119	10.3870167
18	9.9583288	10.3372907	10.3789618	48	9.9600520	10.3473497	10.3872977
19	9.9583869	10.3376235	10.3792366	49	9.9601088	10.3476877	10.3875789
20	9.9584450	10.3379566	10.3795116	50	9.9601655	10.3480258	10.3878603
21	9.9585030	10.3382897	10.3797868	51	9.9602222	10.3483641	10.3881420
22	9.9585609	10.3386231	10.3800622	52	9.9602788	10.3487026	10.3884238
23	9.9586188	10.3389566	10.3803378	53	9.9603354	10.3490413	10.3887059
24	9.9586767	10.3392903	10.3806136	54	9.9603919	10.3493801	10.3889882
25	9.9587345	10.3396242	10.3808897	55	9.9604484	10.3497191	10.3892707
26	9.9587923	10.3399582	10.3811659	56	9.9605048	10.3500583	10.3895535
27	9.9588500	10.3402924	10.3814424	57	9.9605612	10.3503977	10.3898365
28	9.9589077	10.3406267	10.3817191	58	9.9606176	10.3507372	10.3901197
29	9.9589653	10.3409613	10.3819959	59	9.9606739	10.3510770	10.3904031
30	9.9590229	10.3412959	10.3822730	60	9.9607302	10.3514169	10.3906867

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9607302	10.3514169	10.3906867	30	9.9623978	10.3616981	10.3993003
1	9.9607864	10.3517569	10.3909706	31	9.9624527	10.3620437	10.3995910
2	9.9608426	10.3520972	10.3912546	32	9.9625076	10.3623894	10.3998819
3	9.9608987	10.3524376	10.3915389	33	9.9625624	10.3627354	10.4001730
4	9.9609548	10.3527783	10.3918235	34	9.9626172	10.3630815	10.4004643
5	9.9610108	10.3531190	10.3921082	35	9.9626719	10.3634278	10.4007559
6	9.9610668	10.3534600	10.3923932	36	9.9627266	10.3637743	10.4010477
7	9.9611228	10.3538012	10.3926784	37	9.9627812	10.3641210	10.4013398
8	9.9611787	10.3541425	10.3929638	38	9.9628358	10.3644679	10.4016321
9	9.9612346	10.3544840	10.3932494	39	9.9628904	10.3648150	10.4019246
10	9.9612904	10.3548257	10.3935353	40	9.9629449	10.3651622	10.4022173
11	9.9613462	10.3551676	10.3938214	41	9.9629994	10.3655097	10.4025103
12	9.9614020	10.3555097	10.3941077	42	9.9630538	10.3658574	10.4028035
13	9.9614576	10.3558519	10.3943943	43	9.9631082	10.3662052	10.4030970
14	9.9615133	10.3561943	10.3946810	44	9.9631625	10.3665532	10.4033907
15	9.9615689	10.3565369	10.3949680	45	9.9632168	10.3669015	10.4036846
16	9.9616245	10.3568797	10.3952552	46	9.9632711	10.3672499	10.4039788
17	9.9616800	10.3572227	10.3955427	47	9.9633253	10.3675985	10.4042732
18	9.9617355	10.3575658	10.3958304	48	9.9633795	10.3679473	10.4045678
19	9.9617909	10.3579092	10.3961183	49	9.9634336	10.3682963	10.4048627
20	9.9618463	10.3582527	10.3964064	50	9.9634877	10.3686455	10.4051578
21	9.9619016	10.3585964	10.3966948	51	9.9635417	10.3689948	10.4054531
22	9.9619569	10.3589403	10.3969834	52	9.9635957	10.3693444	10.4057487
23	9.9620122	10.3592844	10.3972722	53	9.9636496	10.3696942	10.4060445
24	9.9620674	10.3596286	10.3975612	54	9.9637036	10.3700442	10.4063406
25	9.9621226	10.3599731	10.3978505	55	9.9637574	10.3703943	10.4066369
26	9.9621777	10.3603177	10.3981400	56	9.9638112	10.3707447	10.4069334
27	9.9622328	10.3606625	10.3984297	57	9.9638650	10.3710952	10.4072302
28	9.9622878	10.3610075	10.3987197	58	9.9639187	10.3714460	10.4075272
29	9.9623428	10.3613527	10.3990099	59	9.9639724	10.3717969	10.4078245
30	9.9623978	10.3616981	10.3993003	60	9.9640261	10.3721481	10.4081220

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9640261	10.3721481	10.4081220	30	9.9656153	10.3827757	10.4171603
1	9.9640797	10.3724994	10.4084197	31	9.9656677	10.3831331	10.4174655
2	9.9641332	10.3728509	10.4087177	32	9.9657199	10.3834907	10.4177708
3	9.9641868	10.3732027	10.4090159	33	9.9657721	10.3838486	10.4180764
4	9.9642402	10.3735546	10.4093144	34	9.9658243	10.3842066	10.4183823
5	9.9642937	10.3739068	10.4096131	35	9.9658764	10.3845649	10.4186884
6	9.9643470	10.3742591	10.4099120	36	9.9659285	10.3849234	10.4189948
7	9.9644004	10.3746116	10.4102122	37	9.9659806	10.3852820	10.4193014
8	9.9644537	10.3749644	10.4105107	38	9.9660326	10.3856409	10.4196083
9	9.9645069	10.3753173	10.4108103	39	9.9660846	10.3860000	10.4199155
10	9.9645602	10.3756704	10.4111103	40	9.9661365	10.3863593	10.4202228
11	9.9646133	10.3760237	10.4114104	41	9.9661884	10.3867188	10.4205305
12	9.9646665	10.3763773	10.4117108	42	9.9662402	10.3870786	10.4208384
13	9.9647195	10.3767310	10.4120115	43	9.9662920	10.3874385	10.4211465
14	9.9647726	10.3770850	10.4123124	44	9.9663437	10.3877987	10.4214550
15	9.9648256	10.3774391	10.4126135	45	9.9663954	10.3881591	10.4217636
16	9.9648785	10.3777934	10.4129149	46	9.9664471	10.3885196	10.4220725
17	9.9649314	10.3781480	10.4132165	47	9.9664987	10.3888804	10.4223817
18	9.9649843	10.3785027	10.4135184	48	9.9665503	10.3892414	10.4226912
19	.99650371	10.3788577	10.4138205	49	9.9666018	10.3896027	10.4230009
20	9.9650899	10.3792128	10.4141229	50	9.9666533	10.3899641	10.4233108
21	9.9651426	10.3795682	10.4144255	51	9.9667048	10.3903258	10.4236210
22	9.9651953	10.3799238	10.4147284	52	9.9667562	10.3906876	10.4239315
23	9.9652480	10.3802795	10.4150315	53	9.9668075	10.3910497	10.4242422
24	9.9653006	10.3806355	10.4153349	54	9.9668588	10.3914120	10.4245532
25	9.9653532	10.3809917	10.4156385	55	9.9669101	10.3917746	10.4248644
26	9.9654057	10.3813481	10.4159424	56	9.9669614	10.3921373	10.4251760
27	9.9654582	10.3817047	10.4162465	57	9.9670125	10.3925003	10.4254877
28	9.9655106	10.3820615	10.4165509	58	9.9670637	10.3928634	10.4257997
29	9.9655630	10.3824185	10.4168555	59	9.9671148	10.3932268	10.4261120
30	9.9656153	10.3827757	10.4171603	60	9.9671659	10.3935904	10.4264246

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9671659	10.3935904	10.4264246	30	9.9686779	10.4046025	10.4359246
1	9.9672169	10.3939543	10.4267374	31	9.9687276	10.4049731	10.4362454
2	9.9672679	10.3943183	10.4270505	32	9.9687773	10.4053439	10.4365665
3	9.9673188	10.3946826	10.4273638	33	9.9688270	10.4057149	10.4368879
4	9.9673697	10.3950471	10.4276774	34	9.9688766	10.4060862	10.4372096
5	9.9674205	10.3954118	10.4279913	35	9.9689262	10.4064577	10.4375315
6	9.9674713	10.3957767	10.4283054	36	9.9689757	10.4068295	10.4378538
7	9.9675221	10.3961419	10.4286198	37	9.9690252	10.4072015	10.4381763
8	9.9675728	10.3965073	10.4289344	38	9.9690746	10.4075737	10.4384990
9	9.9676235	10.3968729	10.4292494	39	9.9691241	10.4079461	10.4388221
10	9.9676741	10.3972387	10.4295645	40	9.9691734	10.4083188	10.4391454
11	9.9677247	10.3976047	10.4208800	41	9.9692227	10.4086918	10.4394690
12	9.9677753	10.3979710	10.4301957	42	9.9692720	10.4090649	10.4397929
13	9.9678258	10.3983375	10.4305117	43	9.9693212	10.4094383	10.4401171
14	9.9678763	10.3987042	10.4308279	44	9.9693704	10.4098119	10.4404415
15	9.9679267	10.3990711	10.4311445	45	9.9694196	10.4101858	10.4407662
16	9.9679771	10.3994383	10.4314613	46	9.9694687	10.4105599	10.4410912
17	9.9680274	10.3998057	10.4317783	47	9.9695177	10.4109343	10.4414165
18	9.9680777	10.4001733	10.4320956	48	9.9695668	10.4113088	10.4417421
19	9.9681279	10.4005412	10.4324132	49	9.9696158	10.4116837	10.4420679
20	9.9681781	10.4009092	10.4327311	50	9.9696647	10.4120587	10.4423940
21	9.9682283	10.4012775	10.4330492	51	9.9697136	10.4124340	10.4427204
22	9.9682784	10.4016460	10.4333676	52	9.9697624	10.4128096	10.4430471
23	9.9683285	10.4020148	10.4336863	53	9.9698112	10.4131853	10.4433741
24	9.9683786	10.4023838	10.4340052	54	9.9698600	10.4135614	10.4437013
25	9.9684286	10.4027530	10.4343244	55	9.9699087	10.4139376	10.4440289
26	9.9684785	10.4031224	10.4346439	56	9.9699574	10.4143141	10.4443567
27	9.9685284	10.4034921	10.4349637	57	9.9700061	10.4146909	10.4446848
28	9.9685783	10.4038620	10.4352837	58	9.9700547	10.4150679	10.4450132
29	9.9686281	10.4042321	10.4356040	59	9.9701032	10.4154451	10.4453419
30	9.9686779	10.4046025	10.4359246	60	9.9701517	10.4158226	10.4456708

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9701517	10.4158226	10.4456708	30	9.9715876	10.4272623	10.4556747
1	9.9702002	10.4162003	10.4460001	31	9.9716348	10.4276476	10.4560127
2	9.9702486	10.4165783	10.4463296	32	9.9716820	10.4280331	10.4563511
3	9.9702970	10.4169565	10.4466594	33	9.9717291	10.4284189	10.4566897
4	9.9703454	10.4173349	10.4469895	34	9.9717762	10.4288049	10.4570287
5	9.9703937	10.4177136	10.4473199	35	9.9718233	10.4291912	10.4573679
6	9.9704419	10.4180926	10.4476506	36	9.9718703	10.4295777	10.4577074
7	9.9704902	10.4184718	10.4479816	37	9.9719172	10.4299645	10.4580473
8	9.9705383	10.4188512	10.4483129	38	9.9719642	10.4303516	10.4583874
9	9.9705865	10.4192309	10.4486444	39	9.9720110	10.4307389	10.4587279
10	9.9706346	10.4196108	10.4489763	40	9.9720579	10.4311265	10.4590686
11	9.9706826	10.4199910	10.4493084	41	9.9721047	10.4315144	10.4594097
12	9.9707306	10.4203714	10.4496408	42	9.9721514	10.4319025	10.4597511
13	9.9707786	10.4207521	10.4499735	43	9.9721981	10.4322909	10.4600927
14	9.9708265	10.4211331	10.4503065	44	9.9722448	10.4326795	10.4604347
15	9.9708744	10.4215142	10.4506398	45	9.9722914	10.4330684	10.4607770
16	9.9709223	10.4218957	10.4509734	46	9.9723380	10.4334576	10.4611196
17	9.9709701	10.4222774	10.4513073	47	9.9723845	10.4338470	10.4614625
18	9.9710178	10.4226593	10.4516415	48	9.9724310	10.4342367	10.4618057
19	9.9710655	10.4230415	10.4519760	49	9.9724775	10.4346267	10.4621492
20	9.9711132	10.4234239	10.4523107	50	9.9725239	10.4350169	10.4624930
21	9.9711608	10.4238066	10.4526458	51	9.9725703	10.4354075	10.4628371
22	9.9712084	10.4241896	10.4529811	52	9.9726166	10.4357982	10.4631816
23	9.9712560	10.4245728	10.4533168	53	9.9726629	10.4361893	10.4635263
24	9.9713035	10.4249562	10.4536528	54	9.9727092	10.4365806	10.4638714
25	9.9713509	10.4253399	10.4539890	55	9.9727554	10.4369722	10.4642168
26	9.9713984	10.4257239	10.4543255	56	9.9728016	10.4373640	10.4645625
27	9.9714457	10.4261081	10.4546624	57	9.9728477	10.4377561	10.4649085
28	9.9714931	10.4264926	10.4549995	58	9.9728938	10.4381485	10.4652548
29	9.9715404	10.4268773	10.4553370	59	9.9729398	10.4385412	10.4656014
30	9.9715876	10.4272623	10.4556747	60	9.9729858	10.4389341	10.4559483

Minut.	(72) 70 Grados. Senos.	Tangentes.	Secantes.	Minut.	70 Grados. Senos.	Tangentes.	Secantes.
0	9.9729858	10.4389341	10.4659483	30	9.9743466	10.4508513	10.4765047
1	9.9730318	10.4393273	10.4662956	31	9.9743913	10.4512529	10.4768617
2	9.9730777	10.4397208	10.4666431	32	9.9744359	10.4516548	10.4772189
3	9.9731236	10.4401146	10.4669910	33	9.9744806	10.4520570	10.4775765
4	9.9731694	10.4405086	10.4673392	34	9.9745252	10.4524595	10.4779344
5	9.9732152	10.4409029	10.4676877	35	9.9745697	10.4528623	10.4782926
6	9.9732610	10.4412975	10.4680365	36	9.9746142	10.4532654	10.4786512
7	9.9733067	10.4416923	10.4683857	37	9.9746587	10.4536688	10.4790101
8	9.9733523	10.4420875	10.4687351	38	9.9747031	10.4540724	10.4793693
9	9.9733980	10.4424829	10.4690849	39	9.9747475	10.4544764	10.4897289
10	9.9734435	10.4428786	10.4694350	40	9.9747918	10.4548807	10.4800888
11	9.9734891	10.4432745	10.4697854	41	9.9748361	10.4552852	10.4804490
12	9.9735346	10.4436708	10.4701362	42	9.9748804	10.4556900	10.4808096
13	9.9735801	10.4440673	10.4704872	43	9.9749246	10.4560952	10.4811705
14	9.9736255	10.4444641	10.4708386	44	9.9749688	10.4565006	10.4815318
15	9.9736709	10.4448612	10.4711903	45	9.9750129	10.4569063	10.4818934
16	9.9737162	10.4452585	10.4715423	46	9.9750570	10.4573123	10.4822553
17	9.9737615	10.4456562	10.4718947	47	9.9751011	10.4577187	10.4826176
18	9.9738067	10.4460541	10.4722474	48	9.9751451	10.4581253	10.4829802
19	9.9738519	10.4464523	10.4726003	49	9.9751891	10.4585322	10.4833431
20	9.9738971	10.4468508	10.4729537	50	9.9752330	10.4589394	10.4837064
21	9.9739422	10.4472496	10.4733073	51	9.9752769	10.4593469	10.4840700
22	9.9739873	10.4476486	10.4736613	52	9.9753208	10.4597547	10.4844340
23	9.9740324	10.4480479	10.4740156	53	9.9753646	10.4601629	10.4847983
24	9.9740774	10.4484476	10.4743702	54	9.9754083	10.4605713	10.4851629
25	9.9741224	10.4488475	10.4747251	55	9.9754521	10.4609800	10.4855279
26	9.9741673	10.4492477	10.4750804	56	9.9754957	10.4613890	10.4858933
27	9.9742122	10.4496481	10.4754360	57	9.9755394	10.4617983	10.4862590
28	9.9742570	10.4500489	10.4757919	58	9.9755830	10.4622080	10.4866250
29	9.9743018	10.4504500	10.4761482	59	9.9756265	10.4626179	10.4869914
30	9.9743466	10.4508513	10.4765047	60	9.9756701	10.4630281	10.4873581

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9756701	10.4630281	10.4873581	30	9.9769566	10.4754801	10.4985236
1	9.9757135	10.4634387	10.4877251	31	9.9769988	10.4759001	10.4989013
2	9.9757570	10.4638495	10.4880926	32	9.9770410	10.4763205	10.4992794
3	9.9758004	10.4642607	10.4884603	33	9.9770832	10.4767411	10.4996579
4	9.9758437	10.4646722	10.4888284	34	9.9771253	10.4771621	10.5000367
5	9.9758870	10.4650839	10.4891969	35	9.9771674	10.4775834	10.5004160
6	9.9759303	10.4654960	10.4895657	36	9.9772095	10.4780050	10.5007955
7	9.9759736	10.4659084	10.4899349	37	9.9772515	10.4784270	10.5011755
8	9.9760167	10.4663211	10.4903044	38	9.9772934	10.4788492	10.5015558
9	9.9760599	10.4667341	10.4906742	39	9.9773354	10.4792718	10.5019365
10	9.9761030	10.4671474	10.4910444	40	9.9773772	10.4796948	10.5023176
11	9.9761461	10.4675611	10.4914150	41	9.9774191	10.4801181	10.5026990
12	9.9761891	10.4679750	10.4917859	42	9.9774609	10.4805417	10.5030808
13	9.9762321	10.4683893	10.4921572	43	9.9775026	10.4809656	10.5034630
14	9.9762750	10.4688039	10.4925288	44	9.9775444	10.4813899	10.5038455
15	9.9763179	10.4692187	10.4929008	45	9.9775860	10.4818145	10.5042284
16	9.9763608	10.4696339	10.4932731	46	9.9776277	10.4822394	10.5046117
17	9.9764036	10.4700495	10.4936458	47	9.9776693	10.4826647	10.5049954
18	9.9764464	10.4704653	10.4940189	48	9.9777108	10.4830903	10.5053795
19	.99764891	10.4708814	10.4943923	49	9.9777523	10.4835162	10.5057639
20	9.9765318	10.4712979	10.4947661	50	9.9777938	10.4839425	10.5061487
21	9.9765745	10.4717147	10.4951402	51	9.9778353	10.4843691	10.5065339
22	9.9766171	10.4721318	10.4955147	52	9.9778766	10.4847961	10.5069194
23	9.9766597	10.4725492	10.4958895	53	9.9779180	10.4852234	10.5073054
24	9.9767022	10.4729669	10.4962647	54	9.9779593	10.4856510	10.5076917
25	9.9767447	10.4733850	10.4966403	55	9.9780006	10.4860790	10.5080784
26	9.9767872	10.4738034	10.4970162	56	9.9780418	10.4865073	10.5084655
27	9.9768296	10.4742221	10.4973925	57	9.9780830	10.4869359	10.5088529
28	9.9768720	10.4746411	10.4977692	58	9.9781241	10.4873649	10.5092408
29	9.9769143	10.4750605	10.4981462	59	9.9781653	10.4877943	10.5096290
30	9.9769566	10.4754801	10.4985236	60	9.9782063	10.4882240	10.5100176

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9782063	10.4882240	10.5100176	30	9.9794195	10.5012777	10.5218582
1	9.9782474	10.4886540	10.5104066	31	9.9794593	10.5017184	10.5222591
2	9.9782883	10.4890844	10.5107960	32	9.9794991	10.5021594	10.5226604
3	9.9783293	10.4895151	10.5111858	33	9.9795388	10.5026009	10.5230620
4	9.9783702	10.4899461	10.5115760	34	9.9795785	10.5030426	10.5234641
5	9.9784111	10.4903776	10.5119665	35	9.9796182	10.5034848	10.5238666
6	9.9784519	10.4908093	10.5123574	36	9.9796578	10.5039273	10.5242696
7	9.9784927	10.4912414	10.5127488	37	9.9796973	10.5043702	10.5246729
8	9.9785334	10.4916739	10.5131405	38	9.9797369	10.5048135	10.5250766
9	9.9785741	10.4921067	10.5135326	39	9.9797764	10.5052571	10.5254608
10	9.9786148	10.4925398	10.5139251	40	9.9798158	10.5057012	10.5258854
11	9.9786554	10.4929733	10.5143180	41	9.9798552	10.5061455	10.5262903
12	9.9786960	10.4934072	10.5147112	42	9.9798946	10.5065903	10.5266957
13	9.9787365	10.4938414	10.5151049	43	9.9799339	10.5070354	10.5271015
14	9.9787770	10.4942760	10.5154990	44	9.9799732	10.5074810	10.5275078
15	9.9788175	10.4947109	10.5158934	45	9.9800124	10.5079269	10.5279144
16	9.9788579	10.4951462	10.5162883	46	9.9800516	10.5083731	10.5283215
17	9.9788983	10.4955818	10.5166835	47	9.9800908	10.5088198	10.5287290
18	9.9789386	10.4960178	10.5170792	48	9.9801299	10.5092668	10.5291369
19	9.9789789	10.4964541	10.5174752	49	9.9801690	10.5097142	10.5295452
20	9.9790192	10.4968908	10.5178717	50	9.9802081	10.5101620	10.5299539
21	9.9790594	10.4973279	10.5182685	51	9.9802471	10.5106102	10.5303631
22	9.9790996	10.4977653	10.5186658	52	9.9802860	10.5110587	10.5307727
23	9.9791397	10.4982031	10.5190634	53	9.9803250	10.5115076	10.5311827
24	9.9791798	10.4986412	10.5194615	54	9.9803639	10.5119570	10.5315931
25	9.9792198	10.4990797	10.5198599	55	9.9804027	10.5124067	10.5320040
26	9.9792599	10.4995186	10.5202588	56	9.9804415	10.5128567	10.5324152
27	9.9792998	10.4999578	10.5206580	57	9.9804803	10.5133072	10.5328270
28	9.9793398	10.5003974	10.5210577	58	9.9805190	10.5137581	10.5332391
29	9.9793796	10.5008374	10.5214577	59	9.9805577	10.5142093	10.5336517
30	9.9794195	10.5012777	10.5218582	60	9.9805963	10.5146610	10.5340647

Minut.	73 Grados. Senos.	Tangentes.	Secantes.	Minut.	73 Grados. Senos.	Tangentes.	Secantes.
0	9.9805963	10.5146610	10.5340647	30	9.9817370	10.5283952	10.5466582
1	9.9806349	10.5151130	10.5344781	31	9.9817744	10.5288593	10.5470849
2	9.9806735	10.5155654	10.5348919	32	9.9818117	10.5293238	10.5475121
3	9.9807120	10.5160182	10.5353062	33	9.9818490	10.5297888	10.5479397
4	9.9807505	10.5164714	10.5357210	34	9.9818863	10.5302541	10.5483678
5	9.9807889	10.5169250	10.5361361	35	9.9819236	10.5307199	10.5487963
6	9.9808273	10.5173790	10.5365517	36	9.9819608	10.5311861	10.5492253
7	9.9808657	10.5178334	10.5369677	37	9.9819979	10.5316527	10.5496548
8	9.9809040	10.5182882	10.5373842	38	9.9820351	10.5321198	10.5500847
9	9.9809423	10.5187434	10.5378011	39	9.9820721	10.5325873	10.5505151
10	9.9809805	10.5191989	10.5382184	40	9.9821092	10.5330552	10.5509460
11	9.9810187	10.5196549	10.5386362	41	9.9821462	10.5335235	10.5513773
12	9.9810569	10.5201113	10.5390544	42	9.9821831	10.5339922	10.5518091
13	9.9810950	10.5205681	10.5394730	43	9.9822201	10.5344614	10.5522414
14	9.9811331	10.5210252	10.5398921	44	9.9822569	10.5349310	10.5526741
15	9.9811711	10.5214828	10.5403116	45	9.9822938	10.5354010	10.5531073
16	9.9812091	10.5219408	10.5407316	46	9.9823306	10.5358715	10.6535409
17	9.9812471	10.5223991	10.5411520	47	9.9823674	10.5363424	10.5539750
18	9.9812850	10.5228579	10.5415729	48	9 9824041	10.5368137	10.5544096
19	9.9813229	10.5233171	10.5419942	49	9.9824408	10.5372855	10.5548447
20	9.9813608	10.5237767	10.5424160	50	9.9824774	10.5377577	10.5552803
21	9.9813986	10.5242367	10.5428382	51	9.9825140	10.5382303	10.5557163
22	9.9814363	10.5246971	10.5432608	52	9.9825506	10.5387033	10.5561528
23	9.9814740	10.5251579	10.5436839	53	9.9825871	10.5391768	10.5565897
24	9.9815117	10.5256192	10.5441074	54	9.9826236	10.5396508	10.5570272
25	9.9815494	10.5260808	10.5445314	55	9.9826600	10.5401251	10.5574651
26	9.9815870	10.5265428	10.5449559	56	9.9826964	10.5405999	10.5579035
27	9.9816245	10.5270053	10.5453808	57	9.9827328	10.5410752	10.5583424
28	9.9816620	10.5274682	10.5458061	58	9.9827691	10.5415509	10.5587818
29	9.9816995	10.5279315	10.5462319	59	9.9828054	10.5420270	10.5592216
30	9.9817370	10.5283952	10.5466582	60	9.9828416	10.5425036	10.5596019

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
	74 GRADOS.				74 GRADOS.		
0	9.9828416	10.5425036	10 5596619	30	9.9839105	10.5570117	10.5731012
1	9.9828778	10.5429806	10.5601027	31	9.9839455	10.5575025	10.5735570
2	9.9829140	10.5434580	10.5605440	32	9.9839805	10.5579938	10.5740133
3	9.9829501	10.5439359	10.5609858	33	9.9840154	10.5584855	10.5744701
4	9.9829862	10.5444143	10.5614281	34	9.9840503	10.5589778	10.5749274
5	9.9830223	10.5448931	10.5618708	35	9.9840852	10.5594705	10.5753853
6	9.9830583	10.5453724	10.5623141	36	9.9841200	10.5599637	10.5758437
7	9.9830942	10.5458521	10.5627578	37	9.9841548	10.5604574	10.5763026
8	9.9831302	10.5463322	10.5632020	38	9.9841895	10.5609515	10.5767620
9	9.9831661	10.5468128	10.5636468	39	9.9842242	10.5614462	10.5772220
10	9.9832019	10.5472939	10.5640920	40	9.9842589	10.5619413	10.5776824
11	9.9832377	10.5477754	10.5645377	41	9.9842935	10.5624369	10.5781434
12	9.9832735	10.5482573	10.5649839	42	9.9843281	10.5629330	10.5786050
13	9.9833092	10.5487398	10.5654306	43	9.9843626	10.5634296	10.5790670
14	9.9833449	10.5492226	10.5658777	44	9.9843971	10.5639267	10.5795296
15	9.9833805	10.5497060	10.5663254	45	9.9844316	10.5644243	10.5799927
16	9.9834161	10.5501898	10.5667736	46	9.9844660	10.5649224	10.5804564
17	9.9834517	10.5506740	10.5672223	47	9.9845004	10.5654209	10.5809205
18	9.9834872	10.5511587	10.5676715	48	9.9845347	10.5659200	10.5813852
19	9.9835227	10.5516439	10.5681212	49	9.9845690	10.5664195	10.5818505
20	9.9835582	10.5521296	10.5685714	50	9.9846033	10.5669196	10.5823163
21	9.9835936	10.5526157	10.5690221	51	9.9846375	10.5674201	10.5827826
22	9.9836290	10.5531022	10.5694733	52	9.9846717	10.5679211	10.5832494
23	9.9836643	10.5535893	10.5699250	53	9.9847059	10.5684227	10.5837168
24	9.9836996	10.5540768	10.5703772	54	9.9847400	10.5689247	10.5841848
25	9.9837348	10.5545648	10.5708299	55	9.9847740	10.5694273	10.5846532
26	9.9837701	10.5550532	10.5712831	56	9.9848081	10.5699303	10.5851222
27	9.9838052	10.5555421	10.5717369	57	9.9848420	10.5704339	10.5855918
28	9.9838404	10.5560315	10.5721911	58	9.9848760	10.5709379	10.5860619
29	9.9838755	10.5565214	10.5726459	59	9.9849099	10.5714425	10.5865326
30	9.9839105	10.5570117	10.5731012	60	9.9849438	10.5719475	10.5870038

Minut.	75 Grados. Senos.	Tangentes.	Secantes.	Minut.	75 Grados. Senos.	Tangentes.	Secantes.
0	9.9849438	10.5719475	10.5870038	30	9.9859416	10.5873419	10.6014004
1	9.9849776	10.5724531	10.5874755	31	9.9859742	10.5878634	10.6018891
2	9.9850114	10.5729592	10.5879478	32	9.9860069	10.5883854	10.6023785
3	9.9850452	10.5734658	10.5884207	33	9.9860394	10.5889079	10.6028685
4	9.9850789	10.5739729	10.5888941	34	9.9860720	10.5894310	10.6033590
5	9.9851125	10.5744806	10.5893680	35	9.9861045	10.5899546	10.6038501
6	9.9851462	10.5749887	10.5898425	36	9.9861369	10.5904788	10.6043419
7	9.9851798	10.5754974	10.5903176	37	9.9861693	10.5910035	10.6048342
8	9.9852133	10.5760065	10.5907932	38	9.9862017	10.5915288	10.6053271
9	9.9852468	10.5765162	10.5912694	39	9.9862340	10.5920547	10.6058206
10	9.9852803	10.5770265	10.5917461	40	9.9862663	10.5925811	10.6063148
11	9.9853138	10.5775372	10.5922234	41	9.9862986	10.5931081	10.6068095
12	9.9853471	10.5780485	10.5927013	42	9.9863308	10.5936356	10.6073048
13	9.9853805	10.5785602	10.5931797	43	9.9863630	10.5941637	10.6078007
14	9.9854138	10.5790725	10.5936587	44	9.9863952	10.5946924	10.6082972
15	9.9854471	10.5795854	10.5941383	45	9.9864273	10.5952216	10.6087943
16	9.9854803	10.5800987	10.5946184	46	9.9864593	10.5957514	10.6092921
17	9.9855135	10.5806126	10.5950991	47	9.9864913	10.5962818	10.6097904
18	9.9855467	10.5811271	10.5955804	48	9.9865233	10.5968127	10.6102894
19	9.9855798	10.5816420	10.5960622	49	9.9865553	10.5973442	10.6107889
20	9.9856129	10.5821575	10.5965446	50	9.9865872	10.5978763	10.6112891
21	9.9856460	10.5826735	10.5970276	51	9.9866191	10.5984090	10.6117899
22	9.9856790	10.5831901	10.5975111	52	9.9866509	10.5989422	10.6122913
23	9.9857119	10.5837072	10.5979952	53	9.9866827	10.5994760	10.6127933
24	9.9857449	10.5842248	10.5984799	54	9.9867144	10.6000104	10.6132960
25	9.9857777	10.5847430	10.5989652	55	9.9867461	10.6005453	10.6137992
26	9.9858106	10.5852617	10.5994511	56	9.9867778	10.6010809	10.6143031
27	9.9858434	10.5857809	10.5999375	57	9.9868094	10.6016170	10.6148076
28	9.9858762	10.5863007	10.6004246	58	9.9868410	10.6021537	10.6153127
29	9.9859089	10.5868211	10.6009122	59	9.9868726	10.6026911	10.6158185
30	9.9859416	10.5873419	10.6014004	60	9.9869041	10.6032289	10.6163248

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9869041	10.6032289	10.6163248	30	9.9878315	10.6196463	10.6318147
1	9.9869356	10.6037674	10.6168318	31	9.9878618	10.6202031	10.6323413
2	9.9869670	10.6043065	10.6173395	32	9.9878921	10.6207606	10.6328685
3	9.9869984	10.6048462	10.6178477	33	9.9879223	10.6213187	10.6333964
4	9.9870298	10.6053864	10.6183566	34	9.9879525	10.6218775	10.6339250
5	9.9870611	10.6059273	10.6188661	35	9.9879827	10.6224369	10.6344542
6	9.9870924	10.6064687	10.6193763	36	9.9880128	10.6229970	10.6349842
7	9.9871236	10.6070107	10.6198871	37	9.9880429	10.6235577	10.6355148
8	9.9871549	10.6075534	10.6203985	38	9.9880729	10.6241190	10.6360461
9	9.9871860	10.6080966	10.6209106	39	9.9881029	10.6246810	10.6365781
10	9.9872171	10.6086405	10.6214233	40	9.9881329	10.6252437	10.6371108
11	9.9872482	10.6091849	10.6219367	41	9.9881628	10.6258070	10.6376442
12	9.9872793	10.6097300	10.6224507	42	9.9881927	10.6263709	10.6381783
13	9.9873103	10.6102756	10.6229653	43	9.9882225	10.6269355	10.6387130
14	9.9873413	10.6108219	10.6234806	44	9.9882523	10.6275008	10.6392485
15	9.9873722	10.6113688	10.6239966	45	9.9882821	10.6280667	10.6397846
16	9.9874031	10.6119163	10.6245132	46	9.9883118	10.6286333	10.6403215
17	9.9874339	10.6124644	10.6250304	47	9.9883415	10.6292006	10.6408591
18	9.9874648	10.6130131	10.6255483	48	9.9883712	10.6297685	10.6413973
19	9.9874955	10.6135624	10.6260669	49	9.9884008	10.6303371	10.6419363
20	9.9875263	10.6141124	10.6265861	50	9.9884303	10.6309063	10.6424760
21	9.9875570	10.6146630	10.6271060	51	9.9884599	10.6314762	10.6430164
22	9.9875876	10.6152142	10.6276265	52	9.9884894	10.6320468	10.6435574
23	9.9876183	10.6157660	10.6281477	53	9.9885188	10.6326181	10.6440993
24	9.9876488	10.6163184	10.6286696	54	9.9885482	10.6331900	10.6446418
25	9.9876794	10.6168715	10.6291921	55	9.9885776	10.6337626	10.6451850
26	9.9877099	10.6174252	10.6297153	56	9.9886070	10.6343359	10.6475290
27	9.9877404	10.6179795	10.6302392	57	9.9886363	10.6349099	10.6462736
28	9.9877708	10.6185345	10.6307637	58	9.9886655	10.6354845	10.6468190
29	9.9878012	10.6190900	10.6312889	59	9.9886947	10.6360599	10.6473651
30	9.9878315	10.6196463	10.6318147	60	9.9887239	10.6366359	10.6479120

Minut.	77 Grados. Senos.	Tangentes.	Secantes.	Minut.	77 Grados. Senos.	Tangentes.	Secantes.
0	9.9887239	10.6366359	10.6479120	30	9.9895815	10.6542448	10.6646632
1	9.9887531	10.6372126	10.6484595	31	9.9896095	10.6548430	10.6652335
2	9.9887822	10.6377900	10.6490078	32	9.9896374	10.6554420	10.6658045
3	9.9888113	10.6383681	10.6495568	33	9.9896654	10.6560417	10.6663763
4	9.9888403	10.6389469	10.6501066	34	9.9896932	10.6566422	10.6669489
5	9.9888693	10.6395264	10.6506571	35	9.9897211	10.6572434	10.6675223
6	9.9888982	10.6401065	10.6512083	36	9.9897489	10.6578454	10.6680965
7	9.9889271	10.6406874	10.6517603	37	9.9897766	10.6584481	10.6686715
8	9.9889560	10.6412690	10.6523130	38	9.9898043	10.6590516	10.6692473
9	9.9889849	10.6418513	10.6528664	39	9.9898320	10.6596559	10.6698239
10	9.9890137	10.6424342	10.6534206	40	9.9898597	10.6602609	10.6704012
11	9.9890424	10.6430179	10.6539755	41	9.9898873	10.6608667	10.6709794
12	9.9890711	10.6436023	10.6545312	42	9.9899148	10.6614733	10.6715584
13	9.9890998	10.6441874	10.6550876	43	9.9899423	10.6620806	10.6721383
14	9.9891285	10.6447733	10.6556448	44	9.9899698	10.6626887	10.6727189
15	9.9891571	10.6453598	10.6562027	45	9.9899973	10.6632976	10.6733003
16	9.9891856	10.6459470	10.6567614	46	9.9900247	10.6639073	10.6738826
17	9.9892142	10.6465350	10.6573208	47	9.9900521	10.6645177	10.6744656
18	9.9892427	10.6471237	10.6578810	48	9 9900794	10.6651289	10.6750495
19	9.9892711	10.6477131	10.6584420	49	9.9901067	10.6657409	10.6756343
20	9.9892995	10.6483032	10.6590037	50	9.9901339	10.6663537	10.6762198
21	9.9893279	10.6488941	10.6595662	51	9.9901612	10.6669673	10.6768062
22	9.9893562	10.6494857	10.6601294	52	9.9901883	10.6675817	10.6773934
23	9.9893845	10.6500780	10.6606935	53	9.9902155	10.6681969	10.6779814
24	9.9894128	10.6506710	10.6612582	54	9.9902426	10.6688128	10.6785703
25	9.9894410	10.6512648	10.6618238	55	9.9902697	10.6694296	10.6791600
26	9.9894692	10.6518593	10.6623901	56	9.9902967	10.6700472	10.6797505
27	9.9894973	10.6524546	10.6629572	57	9.9903237	10.6706655	10.6803419
28	9.9895254	10.6530506	10.6635251	58	9.9903506	10.6712847	10.6809341
29	9.9895535	10.6536473	10.6640938	59	9.9903775	10.6719047	10.6815272
30	9.9895815	10.6542448	10.6646632	60	9.9904044	10.6725255	10.6821211

Minut.	(80) 78 Grados. Senos.	Tangentes.	Secantes.	Minut.	78 Grados. Senos.	Tangentes.	Secantes.
0	9.9904044	10.6725255	10.6821211	30	9.9911927	10.6915374	10.7003447
1	9.9904312	10.6731471	10.6827159	31	9.9912184	10.6921845	10.7009661
2	9.9904580	10.6737695	10.6833115	32	9.9912440	10.6928325	10.7015884
3	9.9904848	10.6743927	10.6839079	33	9.9912696	10.6934813	10.7022117
4	9.9905115	10.6750168	10.6845053	34	9.9912952	10.6941311	10.7028359
5	9.9905382	10.6756416	10.6851035	35	9.9913207	10.6947817	10.7034610
6	9.9905648	10.6762673	10.6857025	36	9.9913462	10.6954333	10.7040871
7	9.9905914	10.6768939	10.6863024	37	9.9913717	10.6960857	10.7047141
8	9.9906180	10.6775212	10.6869032	38	9.9913971	10.6967391	10.7053420
9	9.9906445	10.6781494	10.6875049	39	9.9914225	10.6973934	10.7059709
10	9.9906710	10.6787784	10.6881074	40	9.9914478	10.6980486	10.7066007
11	9.9906974	10.6794082	10.6887108	41	9.9914731	10.6987046	10.7072315
12	9.9907239	10.6800389	10.6893151	42	9.9914984	10.6993617	10.7078633
13	9.9907502	10.6806705	10.6899202	43	9.9915236	10.7000196	10.7084960
14	9.9907766	10.6813028	10.6905263	44	9.9915488	10.7006784	10.7091296
15	9.9908029	10.6819360	10.6911332	45	9.9915739	10.7013382	10.7097643
16	9.9908291	10.6825701	10.6917410	46	9.9915990	10.7019989	10.7103999
17	9.9908553	10.6832050	10.6923497	47	9.9916241	10.7026605	10.7110364
18	9.9908815	10.6838408	10.6929593	48	9.9916492	10.7033231	10.7116740
19	9.9909077	10.6844774	10.6935697	49	9.9916741	10.7039866	10.7123125
20	9.9909338	10.6851149	10.6941811	50	9.9916991	10.7046511	10.7129520
21	9.9909598	10.6857532	10.6947934	51	9.9917240	10.7053164	10.7135924
22	9.9909859	10.6863924	10.6954066	52	9.9917489	10.7059828	10.7142339
23	9.9910119	10.6870325	10.6960206	53	9.9917737	10.7066500	10.7148763
24	9.9910378	10.6876734	10.6966356	54	9.9917986	10.7073183	10.7155197
25	9.9910637	10.6883152	10.6972515	55	9.9918233	10.7079874	10.7161641
26	9.9910896	10.6889579	10.6978683	56	9.9918480	10.7086576	10.7168095
27	9.9911154	10.6896015	10.6984860	57	9.9918727	10.7093287	10.7174559
28	9.9911412	10.6902459	10.6991047	58	9.9918974	10.7100007	10.7181033
29	9.9911670	10.6908912	10.6997242	59	9.9919220	10.7106737	10.7187517
30	9.9911927	10.6915374	10.7003447	60	9.9919466	10.7113477	10.7194012

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9919466	10.7113477	10.7194012	30	9.9926661	10.7320331	10.7393670
1	9.9919711	10.7120227	10.7200516	31	9.9926895	10.7327387	10.7400491
2	9.9919956	10.7126986	10.7207030	32	9.9927129	10.7334453	10.7407324
3	9.9920201	10.7133755	10.7213555	33	9.9927362	10.7341530	10.7414168
4	9.9920445	10.7140534	10.7220089	34	9.9927595	10.7348618	10.7421023
5	9.9920689	10.7147323	10.7226634	35	9.9927827	10.7355717	10.7427890
6	9.9920932	10.7154122	10.7233189	36	9.9928059	10.7362827	10.7434767
7	9.9921175	10.7160930	10.7239755	37	9.9928291	10.7369947	10.7441656
8	9.9921418	10.7167749	10.7246331	38	9.9928522	10.7377079	10.7448556
9	9.9921660	10.7174577	10.7252917	39	9.9928753	10.7384221	10.7455468
10	9.9921902	10.7181415	10.7259513	40	9.9928984	10.7391375	10.7462391
11	9.9922144	10.7188264	10.7266120	41	9.9929214	10.7398539	10.7469325
12	9.9922385	10.7195122	10.7272737	42	9.9929444	10.7405715	10.7476271
13	9.9922626	10.7201991	10.7279365	43	9.9929673	10.7412901	10.7483228
14	9.9922866	10.7208869	10.7286003	44	9.9929902	10.7420099	10.7490197
15	9.9923106	10.7215758	10.7292652	45	9.9930131	10.7427308	10.7497178
16	9.9923346	10.7222657	10.7299311	46	9.9930359	10.7434528	10.7504170
17	9.9923585	10.7229566	10.7305981	47	9.9930587	10.7441760	10.7511173
18	9.9923824	10.7236486	10.7312662	48	9.9930814	10.7449003	10.7518189
19	9.9924063	10.7243416	10.7319353	49	9.9931041	10.7456257	10.7525216
20	9.9924301	10.7250356	10.7326055	50	9.9931268	10.7463523	10.7532254
21	9.9924539	10.7257306	10.7332768	51	9.9931494	10.7470800	10.7539305
22	9.9924776	10.7264267	10.7339491	52	9.9931720	10.7478088	10.7546368
23	9.9925013	10.7271238	10.7346225	53	9.9931946	10.7485388	10.7553442
24	9.9925250	10.7278220	10.7352970	54	9.9932171	10.7492699	10.7560528
25	9.9925486	10.7285212	10.7359726	55	9.9932396	10.7500022	10.7567626
26	9.9925722	10.7292214	10.7366493	56	9.9932621	10.7507357	10.7574736
27	9.9925957	10.7299228	10.7373271	57	9.9932845	10.7514703	10.7581859
28	9.9926192	10.7306251	10.7380059	58	9.9933068	10.7522061	10.7588993
29	9.9926427	10.7313286	10.7386859	59	9.9933292	10.7529431	10.7596139
30	9.9926661	10.7320331	10.7393670	60	9.9933515	10.7536812	10.7603298

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
	80 GRADOS.				80 GRADOS.		
0	9.9933515	10.7536812	10.7603298	30	9.9940027	10.7763935	10.7823908
1	9.9933737	10.7544206	10.7610468	31	9.9940238	10.7771702	10.7831464
2	9.9933959	10.7551611	10.7617651	32	9.9940449	10.7779482	10.7839033
3	9.9934181	10.7559028	10.7624847	33	9.9940659	10.7787276	10.7846616
4	9.9934403	10.7566457	10.7632054	34	9.9940870	10.7795083	10.7854213
5	9.9934624	10.7573897	10.7639274	35	9.9941079	10.7802903	10.7861824
6	9.9934844	10.7581350	10.7646506	36	9.9941289	10.7810736	10.7869448
7	9.9935065	10.7588815	10.7653751	37	9.9941498	10.7818583	10.7877086
8	9.9935285	10.7596292	10.7661008	38	9.9941706	10.7826444	10.7884737
9	9.9935504	10.7603782	10.7668278	39	9.9941914	10.7834317	10.7892403
10	9.9935723	10.7611283	10.7675560	40	9.9942122	10.7842205	10.7900083
11	9.9935942	10.7618797	10.7682855	41	9.9942330	10.7850106	10.7907776
12	9.9936160	10.7626322	10.7690162	42	9.9942537	10.7858020	10.7915484
13	9.9936378	10.7633861	10.7697482	43	9.9942743	10.7865949	10.7923205
14	9.9936596	10.7641411	10.7704815	44	9.9942950	10.7873891	10.7930941
15	9.9936813	10.7648974	10.7712161	45	9.9943156	10.7881847	10.7938691
16	9.9937030	10.7656549	10.7719519	46	9.9943361	10.7889816	10.7946455
17	9.9937247	10.7664137	10.7726890	47	9.9943566	10.7897800	10.7954234
18	9.9937463	10.7671738	10.7734275	48	9.9943771	10.7905797	10.7962026
19	9.9937679	10.7679350	10.7741672	49	9.9943975	10.7913809	10.7969833
20	9.9937894	10.7686976	10.7749082	50	9.9944180	10.7921835	10.7977655
21	9.9938109	10.7694614	10.7756505	51	9.9944383	10.7929874	10.7985491
22	9.9938324	10.7702265	10.7763941	52	9.9944587	10.7937928	10.7993342
23	9.9938538	10.7709929	10.7771391	53	9.9944789	10.7945996	10.8001207
24	9.9938752	10.7717605	10.7778853	54	9.9944992	10.7954078	10.8009087
25	9.9938965	10.7725294	10.7786329	55	9.9945194	10.7962175	10.8016981
26	9.9939178	10.7732996	10.7793818	56	9.9945396	10.7970286	10.8024890
27	9.9939391	10.7740711	10.7801320	57	9.9945597	10.7978412	10.8032814
28	9.9939603	10.7748439	10.7808836	58	9.9945798	10.7986551	10.8040753
29	9.9939815	10.7756181	10.7816365	59	9.9945999	10.7994706	10.8048707
30	9.9940027	10.7763935	10.7823908	60	9.9946199	10.8002875	10.8056676

Minut.	81 Grados. Senos.	Tangentes.	Secantes.	Minut.	81 Grados. Senos.	Tangentes.	Secantes.
0	9.9946199	10.8002875	10.8056676	30	9.9952033	10.8255012	10.8302979
1	9.9946399	10.8011059	10.8064659	31	9.9952221	10.8263662	10.8311441
2	9.9946599	10.8019257	10.8072658	32	9.9952409	10.8272328	10.8319919
3	9.9946798	10.8027470	10.8080672	33	9.9952597	10.8281011	10.8328414
4	9.9946997	10.8035698	10.8088701	34	9.9952785	10.8289711	10.8336926
5	9.9947195	10.8043941	10.8096746	35	9.9952972	10.8298428	10.8345456
6	9.9947393	10.8052198	10.8104805	36	9.9953159	10.8307161	10.8354002
7	9.9947591	10.8060471	10.8112880	37	9.9953345	10.8315911	10.8362566
8	9.9947788	10.8068759	10.8120971	38	9.9953531	10.8324678	10.8371147
9	9.9947985	10.8077061	10.8129077	39	9.9953717	10.8333462	10.8379746
10	9.9948181	10.8085379	10.8137198	40	9.9953902	10.8342263	10.8388361
11	9.9948377	10.8093713	10.8145335	41	9.9954087	10.8351081	10.8396995
12	9.9948573	10.8102061	10.8153488	42	9.9954271	10.8359917	10.8405646
13	9.9948769	10.8110425	10.8161656	43	9.9954455	10.8368769	10.8414314
14	9.9948964	10.8118804	10.8169840	44	9.9954639	10.8377639	10.8423000
15	9.9949158	10.8127198	10.8178040	45	9.9954822	10.8386527	10.8431704
16	9.9949352	10.8135608	10.8186256	46	9.9955005	10.8395431	10.8440426
17	9.9949546	10.8144034	10.8194488	47	9.9955188	10.8404354	10.8449166
18	9.9949740	10.8152475	10.8202735	48	9.9955370	10.8413294	10.8457924
19	9.9949933	10.8160932	10.8210999	49	9.9955552	10.8422252	10.8466699
20	9.9950126	10.8169405	10.8219279	50	9.9955734	10.8431227	10.8475493
21	9.9950318	10.8177894	10.8227575	51	9.9955915	10.8440220	10.8484306
22	9.9950510	10.8186398	10.8235888	52	9.9956095	10.8449231	10.8493136
23	9.9950702	10.8194918	10.8244216	53	9.9956276	10.8458261	10.8501985
24	9.9950893	10.8203454	10.8252561	54	9.9956456	10.8467308	10.8510852
25	9.9951084	10.8212007	10.8260923	55	9.9956635	10.8476373	10.8519738
26	9.9951274	10.8220575	10.8269301	56	9.9956815	10.8485457	10.8528642
27	9.9951464	10.8229160	10.8277695	57	9.9956993	10.8494559	10.8537565
28	9.9951654	10.8237761	10.8286107	58	9.9957172	10.8503679	10.8546507
29	9.9951844	10.8246378	10.8294535	59	9.9957350	10.8512818	10.8555468
30	9.9952033	10.8255012	10.8302979	60	9.9957528	10.8521975	10.8564447

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9957528	10.8521975	10.8564447	30	9.9962686	10.8805709	10.8843023
1	9.9957705	10.8531151	10.8573445	31	9.9962852	10.8815482	10.8852630
2	9.9957882	10.8540345	10.8582463	32	9.9963018	10.8825276	10.8862258
3	9.9958059	10.8549558	10.8591499	33	9.9963183	10.8835091	10.8871908
4	9.9958235	10.8558790	10.8600555	34	9.9963348	10.8844928	10.8881580
5	9.9958411	10.8568041	10.8609630	35	9.9963513	10.8854787	10.8891274
6	9.9958586	10.8577311	10.8618725	36	9.9963677	10.8864667	10.8900990
7	9.9958761	10.8586600	10.8627839	37	9.9963841	10.8874569	10.8910728
8	9.9958936	10.8595908	10.8636972	38	9.9964004	10.8884492	10.8920488
9	9.9959111	10.8605236	10.8646125	39	9.9964167	10.8894438	10.8930271
10	9.9959284	10.8614583	10.8655298	40	9.9964330	10.8904406	10.8940076
11	9.9959458	10.8623949	10.8664491	41	9.9964493	10.8914396	10.8949904
12	9.9959631	10.8633335	10.8673703	42	9.9964655	10.8924409	10.8959754
13	9.9959804	10.8642740	10.8682936	43	9.9964816	10.8934443	10.8969627
14	9.9959977	10.8652165	10.8692188	44	9.9964977	10.8944500	10.8979523
15	9.9960149	10.8661609	10.8701461	45	9.9965138	10.8954580	10.8989442
16	9.9960321	10.8671074	10.8710753	46	9.9965299	10.8964683	10.8999384
17	9.9960492	10.8680558	10.8720066	47	9.9965459	10.8974808	10.9009349
18	9.9960663	10.8690063	10.8729400	48	9.9965619	10.8984956	10.9019338
19	9.9960834	10.8699587	10.8738754	49	9.9965778	10.8995128	10.9029349
20	9.9961004	10.8709132	10.8748128	50	9.9965937	10.9005322	10.9039385
21	9.9961174	10.8718697	10.8757523	51	9.9966096	10.9015540	10.9049444
22	9.9961343	10.8728282	10.8766939	52	9.9966254	10.9025781	10.9059526
23	9.9961512	10.8737888	10.8776376	53	9.9966412	10.9036045	10.9069633
24	9.9961681	10.8747514	10.8785833	54	9.9966570	10.9046333	10.9079763
25	9.9961849	10.8757161	10.8795312	55	9.9966727	10.9056645	10.9089918
26	9.9962017	10.8766829	10.8804812	56	9.9966884	10.9066980	10.9100097
27	9.9962185	10.8776518	10.8814333	57	9.9967040	10.9077340	10.9110300
28	9.9962352	10.8786227	10.8823875	58	9.9967196	10.9087723	10.9120527
29	9.9962519	10.8795957	10.8833438	59	9.9967352	10.9098131	10.9130779
30	9.9962686	10.8805709	10.8843023	60	9.9967507	10.9108562	10.9141055

Minut.	83 Grados. Senos.	Tangentes.	Secantes.	Minut.	83 Grados. Senos.	Tangentes.	Secantes.
0	9.9967507	10.9108562	10.9141055	30	9.9971993	10.9433405	10.9461412
1	9.9967662	10.9119019	10.9151357	31	9.9972137	10.9444651	10.9472515
2	9.9967817	10.9129499	10.9161683	32	9.9972280	10.9455926	10.9483646
3	9.9967971	10.9140004	10.9172034	33	9.9972423	10.9467229	10.9494806
4	9.9968125	10.9150534	10.9182410	34	9.9972566	10.9478561	10.9505995
5	9.9968278	10.9161089	10.9192811	35	9.9972708	10.9489922	10.9517214
6	9.9968431	10.9171669	10.9203238	36	9.9972850	10.9501311	10.9528462
7	9.9968584	10.9182274	10.9213690	37	9.9972991	10.9512730	10.9539739
8	9.9968736	10.9192904	10.9224168	38	9.9973132	10.9524179	10.9551046
9	9.9968888	10.9203559	10.9234671	39	9.9973273	10.9535657	10.9562383
10	9.9969040	10.9214240	10.9245201	40	9.9973414	10.9547164	10.9573751
11	9.9969191	10.9224947	10.9255756	41	9.9973554	10.9558701	10.9585148
12	9.9969342	10.9235679	10.9266337	42	9.9973693	10.9570269	10.9596576
13	9.9969492	10.9246437	10.9276945	43	9.9973833	10.9581866	10.9608034
14	9.9969642	10.9257221	10.9287579	44	9.9973971	10.9593494	10.9619523
15	9.9969792	10.9268031	10.9298239	45	9.9974110	10.9605152	10.9631042
16	9.9969941	10.9278867	10.9308926	46	9.9974248	10.9616841	10.9642593
17	9.9970090	10.9289730	10.9319640	47	9.9974386	10.9628561	10.9654175
18	9.9970239	10.9300619	10.9330381	48	9.9974523	10.9640312	10.9665788
19	9.9970387	10.9311535	10.9341148	49	9.9974660	10.9652094	10.9677433
20	9.9970535	10.9322478	10.9351943	50	9.9974797	10.9663907	10.9689110
21	9.9970682	10.9333447	10.9362765	51	9.9974933	10.9675751	10.9700818
22	9.9970829	10.9344444	10.9373614	52	9.9975069	10.9687627	10.9712558
23	9.9970976	10.9355467	10.9384491	53	9.9975205	10.9699536	10.9724331
24	9.9971122	10.9366518	10.9395396	54	9.9975340	10.9711476	10.9736135
25	9.9971268	10.9377597	10.9406328	55	9.9975475	10.9723448	10.9747973
26	9.9971414	10.9388703	10.9417289	56	9.9975609	10.9735452	10.9759843
27	9.9971559	10.9399836	10.9428277	57	9.9975743	10.9747490	10.9771746
28	9.9971704	10.9410998	10.9439294	58	9.9975877	10.9759559	10.9783682
29	9.9971849	10.9422187	10.9450339	59	9.9976011	10.9771662	10.9795652
30	9.9971993	10.9433405	10.9461412	60	9.9976143	10.9783798	10.9807654

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9976143	10.9783798	10.9807654	30	9.9979960	11.0164231	11.0184271
1	9.9976276	10.9795967	10.9819691	31	9.9980081	11.0177493	11.0197411
2	9.9976408	10.9808169	10.9831761	32	9.9980202	11.0190794	11.0210592
3	9.9976540	10.9820406	10.9843865	33	9.9980323	11.0204135	11.0223812
4	9.9976672	10.9832675	10.9856004	34	9.9980443	11.0217517	11.0237074
5	9.9976803	10.9844979	10.9868177	35	9.9980563	11.0230940	11.0250376
6	9.9976933	10.9857318	10.9880384	36	9.9980683	11.0244403	11.0263720
7	9.9977064	10.9869690	10.9892626	37	9.9980802	11.0257908	11.0277105
8	9.9977194	10.9882097	10.9904904	38	9.9980921	11.0271453	11.0290532
9	9.9977323	10.9894539	10.9917216	39	9.9981040	11.0285041	11.0304001
0	9.9977453	10.9907016	10.9929564	40	9.9981158	11.0298670	11.0317513
1	9.9977582	10.9919529	10.9941947	41	9.9981275	11.0312342	11.0331066
2	9.9977710	10.9932076	10.9954366	42	9.9981393	11.0326056	11.0344663
3	9.9977838	10.9944660	10.9966821	43	9.9981510	11.0339812	11.0358303
4	9.9977966	10.9957279	10.9979313	44	9.9981626	11.0353612	11.0371986
5	9.9978093	10.9969934	10.9991840	45	9.9981743	11.0367455	11.0385712
6	9.9978220	10.9982625	11.0004405	46	9.9981859	11.0381341	11.0399483
7	9.9978347	10.9995353	11.0017006	47	9.9981974	11.0395272	11.0413297
8	9.9978473	11.0008117	11.0029644	48	9.9982089	11.0409246	11.0427157
9	9.9978599	11.0020919	11.0042319	49	9.9982204	11.0423265	11.0441060
0	9.9978725	11.0033757	11.0055032	50	9.9982318	11.0437328	11.0455009
1	9.9978850	11.0046633	11.0067783	51	9.9982433	11.0451436	11.0469004
2	9.9978975	11.0059546	11.0080571	52	9.9982546	11.0465590	11.0483043
3	9.9979099	11.0072497	11.0093398	53	9.9982660	11.0479789	11.0497129
4	9.9979223	11.0085486	11.0106263	54	9.9982772	11.0494033	11.0511261
5	9.9979347	11.0098513	11.0119166	55	9.9982885	11.0508324	11.0525439
6	9.9979470	11.0111579	11.0132109	56	9.9982997	11.0522662	11.0539665
7	9.9979593	11.0124683	11.0145090	57	9.9983109	11.0537046	11.0553937
8	9.9979716	11.0137827	11.0158111	58	9.9983220	11.0551477	11.0568257
9	9.9979838	11.0151009	11.0171171	59	9.9983332	11.0565956	11.0582624
0	9.9979960	11.0164231	11.0184271	60	9.9983442	11.0580482	11.0597040

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9983442	11.0580482	11.0597040	30	9.9986591	11.1040158	11.1053567
1	9.9983553	11.0595056	11.0611504	31	9.9986691	11.1056340	11.1069649
2	9.9983663	11.0609679	11.0626017	32	9.9986790	11.1072580	11.1085791
3	9.9983772	11.0624350	11.0640578	33	9.9986888	11.1088881	11.1101993
4	9.9983881	11.0639071	11.0655189	34	9.9986986	11.1105243	11.1118257
5	9.9983990	11.0653840	11.0669850	35	9.9987084	11.1121666	11.1134582
6	9.9984099	11.0668660	11.0684561	36	9.9987181	11.1138150	11.1150969
7	9.9984207	11.0683529	11.0699322	37	9.9987278	11.1154697	11.1167419
8	9.9984315	11.0698448	11.0714134	38	9.9987375	11.1171306	11.1183931
9	9.9984422	11.0713419	11.0728997	39	9.9987471	11.1187978	11.1200507
10	9.9984529	11.0728440	11.0743911	40	9.9987567	11.1204714	11.1217146
11	9.9984636	11.0743513	11.0758877	41	9.9987663	11.1221513	11.1233850
12	9.9984742	11.0758637	11.0773895	42	9.9987758	11.1238377	11.1250619
13	9.9984848	11.0773814	11.0788966	43	9.9987853	11.1255306	11.1267454
14	9.9984953	11.0789043	11.0804089	44	9.9987947	11.1272301	11.1284354
15	9.9985058	11.0804325	11.0819266	45	9.9988041	11.1289362	11.1301320
16	9.9985163	11.0819660	11.0834496	46	9.9988135	11.1306489	11.1318354
17	9.9985268	11.0835048	11.0849781	47	9.9988228	11.1323683	11.1335455
18	9.9985372	11.0850491	11.0865119	48	9.9988321	11.1340945	11.1352624
19	9.9985475	11.0865988	11.0880513	49	9.9988414	11.1358275	11.1369861
20	9.9985579	11.0881540	11.0895961	50	9.9988506	11.1375673	11.1387167
21	9.9985682	11.0897147	11.0911465	51	9.9988598	11.1393141	11.1404543
22	9.9985784	11.0912810	11.0927025	52	9.9988689	11.1410679	11.1421990
23	9.9985886	11.0928528	11.0942642	53	9.9988780	11.1428287	11.1439507
24	9.9985988	11.0944303	11.0958315	54	9.9988871	11.1445966	11.1457095
25	9.9986090	11.0960134	11.0974045	55	9.9988962	11.1463717	11.1474755
26	9.9986191	11.0976023	11.0989832	56	9.9989052	11.1481539	11.1492488
27	9.9986292	11.0991970	11.1005678	57	9.9989141	11.1499434	11.1510293
28	9.9986392	11.1007974	11.1021582	58	9.9989230	11.1517403	11.1528173
29	9.9986492	11.1024037	11.1037545	59	9.9989319	11.1535446	11.1546126
30	9.9986591	11.1040158	11.1053567	60	9.9989408	11.1553563	11.1564155

Minut.	Senos.	Tangentes.	Secantes.	Minut.	Senos.	Tangentes.	Secantes.
0	9.9989408	11.1553563	11.1564155	30	9.9991892	11.2135139	11.2143247
1	9.9989496	11.1571755	11.1582259	31	9.9991969	11.2155921	11.2163952
2	9.9989584	11.1590023	11.1600439	32	9.9992046	11.2176801	11.2184756
3	9.9989671	11.1608367	11.1618696	33	9.9992122	11.2197782	11.2205660
4	9.9989758	11.1626789	11.1637031	34	9.9992198	11.2218864	11.2226666
5	9.9989845	11.1645288	11.1655443	35	9.9992274	11.2240048	11.2247774
6	9.9989931	11.1663866	11.1673934	36	9.9992349	11.2261335	11.2268986
7	9.9990017	11.1682522	11.1692505	37	9.9992424	11.2282726	11.2290303
8	9.9990103	11.1701259	11.1711156	38	9.9992498	11.2304223	11.2311725
9	9.9990188	11.1720076	11.1729888	39	9.9992572	11.2325825	11.2333253
10	9.9990273	11.1738974	11.1748701	40	9.9992646	11.2347535	11.2354889
11	9.9990357	11.1757954	11.1767596	41	9.9992720	11.2369353	11.2376634
12	9.9990441	11.1777016	11.1786575	42	9.9992793	11.2391281	11.2398488
13	9.9990525	11.1796162	11.1805637	43	9.9992865	11.2413319	11.2420454
14	9.9990608	11.1815392	11.1824783	44	9.9992938	11.2435469	11.2442531
15	9.9990691	11.1834706	11.1844015	45	9.9993009	11.2457731	11.2464722
16	9.9990774	11.1854106	11.1863332	46	9.9993081	11.2480108	11.2487027
17	9.9990856	11.1873593	11.1882736	47	9.9993152	11.2502600	11.2509447
18	9.9990938	11.1893166	11.1902228	48	9.9993223	11.2525208	11.2531985
19	9.9991020	11.1912828	11.1921808	49	9.9993293	11.2547933	11.2554640
20	9.9991101	11.1932578	11.1941477	50	9.9993364	11.2570778	11.2577414
21	9.9991182	11.1952417	11.1961236	51	9.9993433	11.2593742	11.2600309
22	9.9991262	11.1972347	11.1981085	52	9.9993503	11.2616828	11.2623325
23	9.9991342	11.1992368	11.2001026	53	9.9993572	11.2640036	11.2646465
24	9.9991422	11.2012481	11.2021059	54	9.9993640	11.2663369	11.2669728
25	9.9991501	11.2032687	11.2041186	55	9.9993708	11.2686826	11.2693118
26	9.9991580	11.2052986	11.2061406	56	9.9993776	11.2710411	11.2716634
27	9.9991659	11.2073380	11.2081722	57	9.9993844	11.2734123	11.2740279
28	9.9991737	11.2093870	11.2102133	58	9.9993911	11.2757965	11.2764054
29	9.9991815	11.2114456	11.2122641	59	9.9993978	11.2781937	11.2787960
30	9.9991892	11.2135139	11.2143247	60	9.9994044	11.2806042	11.2811998

Minut.	87 Grados. Senos.	Tangentes.	Secantes.	Minut.	87 Grados. Senos.	Tangentes.	Secantes.
0	9.9994044	11.2806042	11.2811998	30	9.9995865	11.3599069	11.3603204
1	9.9994110	11.2830281	11.2836171	31	9.9995919	11.3628155	11.3632236
2	9.9994176	11.2854655	11.2860480	32	9.9995974	11.3657437	11.3661463
3	9.9994241	11.2879166	11.2884925	33	9.9996028	11.3686917	11.3690889
4	9.9994306	11.2903815	11.2909510	34	9.9996082	11.3716598	11.3720516
5	9.9994370	11.2928605	11.2934234	35	9.9996136	11.3746482	11.3750347
6	9.9994435	11.2953535	11.2959101	36	9.9996189	11.3776573	11.3780384
7	9.9994498	11.2978610	11.2984111	37	9.9996242	11.3806873	11.3810631
8	9.9994562	11.3003828	11.3009266	38	9.9996294	11.3837384	11.3841090
9	9.9994625	11.3029194	11.3034569	39	9.9996346	11.3868111	11.3871765
10	9.9994688	11.3054708	11.3060020	40	9.9996398	11.3899057	11.3902659
11	9.9994750	11.3080371	11.3085621	41	9.9996449	11.3930223	11.3933774
12	9.9994812	11.3106187	11.3111375	42	9.9996500	11.3961614	11.3965114
13	9.9994874	11.3132156	11.3137282	43	9.9996550	11.3993233	11.3996683
14	9.9994935	11.3158281	11.3163346	44	9.9996601	11.4025083	11.4028483
15	9.9994996	11.3184563	11.3189567	45	9.9996650	11.4057168	11.4060517
16	9.9995056	11.3211004	11.3215948	46	9.9996700	11.4089491	11.4092791
17	9.9995116	11.3237607	11.3242490	47	9.9996749	11.4122055	11.4125306
18	9.9995176	11.3264372	11.3269196	48	9.9996798	11.4154864	11.4158067
19	9.9995236	11.3291303	11.3296068	49	9.9996846	11.4187923	11.4191077
20	9.9995295	11.3318402	11.3323107	50	9.9996894	11.4221234	11.4224340
21	9.9995353	11.3345669	11.3350316	51	9.9996942	11.4254803	11.4257861
22	9.9995411	11.3373109	11.3377697	52	9.9996989	11.4288632	11.4291643
23	9.9995469	11.3400721	11.3405252	53	9.9997036	11.4322723	11.4325690
24	9.9995527	11.3428510	11.3432983	54	9.9997082	11.4357088	11.4360006
25	9.9995584	11.3456478	11.3460893	55	9.9997128	11.4391724	11.4394596
26	9.9995641	11.3484625	11.3488984	56	9.9997174	11.4426638	11.4429464
27	9.9995697	11.3512956	11.3517258	57	9.9997220	11.4461834	11.4464614
28	9.9995753	11.3541472	11.3545718	58	9.9997265	11.4497317	11.4500052
29	9.9995809	11.3570173	11.3574366	59	9.9997309	11.4533091	11.4535782
30	9.9995865	11.3599069	11.3603204	60	9.9997354	11.4569162	11.4571808

Minut.	(90) 88 Grados. Senos.	Tangentes.	Secantes.	Minut.	88 Grados. Senos.	Tangentes.	Secantes.
0	9.9997354	11.4569162	11.4571808	30	9.9998512	11.5819321	11.5820810
1	9.9997398	11.4605534	11.4608137	31	9.9998544	11.5867868	11.5869324
2	9.9997441	11.4642213	11.4644772	32	9.9998577	11.5916963	11.5918386
3	9.9997484	11.4679203	11.4681719	33	9.9998609	11.5966619	11.5968010
4	9.9997527	11.4716510	11.4718983	34	9.9998641	11.6016848	11.6018207
5	9.9997570	11.4754140	11.4756570	35	9.9998672	11.6067664	11.6068992
6	9.9997612	11.4792098	11.4794486	36	9.9998703	11.6119082	11.6120378
7	9.9997653	11.4830390	11.4832736	37	9.9998734	11.6171114	11.6172380
8	9.9997695	11.4869022	11.4871327	38	9.9998764	11.6223777	11.6225012
9	9.9997736	11.4907999	11.4910264	39	9.9998794	11.6277085	11.6278290
10	9.9997776	11.4947329	11.4949553	40	9.9998824	11.6331055	11.6332231
11	9.9997817	11.4987018	11.4989202	41	9.9998853	11.6385703	11.6386850
12	9.9997856	11.5027072	11.5029216	42	9.9998882	11.6441047	11.6442165
13	9.9997896	11.5067498	11.5069602	43	9.9998911	11.6497105	11.6498195
14	9.9997935	11.5108304	11.5110368	44	9.9998939	11.6553895	11.6554957
15	9.9997974	11.5149495	11.5151521	45	9.9998966	11.6611437	11.6612471
16	9.9998012	11.5191080	11.5193068	46	9.9998994	11.6669751	11.6670757
17	9.9998050	11.5233067	11.5235016	47	9.9999021	11.6728857	11.6729837
18	9.9998088	11.5275462	11.5277374	48	9.9999047	11.6788779	11.6789731
19	9.9998125	11.5318275	11.5320150	49	9.9999074	11.6849538	11.6850464
20	9.9998162	11.5361514	11.5363351	50	9.9999100	11.6911158	11.6912059
21	9.9998199	11.5405186	11.5406987	51	9.9999125	11.6973665	11.6974540
22	9.9998235	11.5449301	11.5451066	52	9.9999150	11.7037083	11.7037933
23	9.9998271	11.5493869	11.5495598	53	9.9999175	11.7101441	11.7102266
24	9.9998306	11.5538897	11.5540591	54	9.9999200	11.7166766	11.7167566
25	9.9998342	11.5584397	11.5586056	55	9.9999224	11.7233088	11.7233864
26	9.9998376	11.5630378	11.5632001	56	9.9999247	11.7300437	11.7301190
27	9.9998411	11.5676850	11.5678439	57	9.9999271	11.7368847	11.7369576
28	9.9998445	11.5723824	11.5725379	58	9.9999294	11.7438351	11.7439057
29	9.9998478	11.5771310	11.5772832	59	9.9999316	11.7508985	11.7509668
30	9.9998512	11.5819321	11.5820810	60	9.9999338	11.7580785	11.7581447

Minut.	89 Grados. Senos.	Tangentes.	Secantes.	Minut.	89 Grados. Senos.	Tangentes.	Secantes.
0	9.9999338	11.7580785	11.7581447	30	9.9999835	12.0591416	12.0591581
1	9.9999360	11.7653792	11.7654432	31	9.9999845	12.0738656	12.0738810
2	9.9999382	11.7728047	11.7728665	32	9.9999856	12.0891062	12.0891207
3	9.9999403	11.7803592	11.7804189	33	9.9999866	12.1049012	12.1049146
4	9.9999424	11.7880474	11.7881051	34	9.9999876	12.1212923	12.1213047
5	9.9999444	11.7958741	11.7959297	35	9.9999885	12.1383262	12.1383377
6	9.9999464	11.8038444	11.8038980	36	9.9999894	12.1560556	12.1560662
7	9.9999484	11.8119636	11.8120152	37	9.9999903	12.1745396	12.1745493
8	9.9999503	11.8202374	11.8202871	38	9.9999911	12.1938453	12.1938542
9	9.9999522	11.8286718	11.8287196	39	9.9999919	12.2140492	12.2140573
10	9.9999541	11.8372733	11.8373192	40	9.9999927	12.2352390	12.2352463
11	9.9999559	11.8460484	11.8460925	41	9.9999934	12.2575159	12.2575225
12	9.9999577	11.8550044	11.8550468	42	9.9999940	12.2809974	12.2810034
13	9.9999594	11.8641490	11.8641896	43	9.9999947	12.3058214	12.3058267
14	9.9999611	11.8734901	11.8735290	44	9.9999953	12.3321508	12.3321555
15	9.9999628	11.8830366	11.8830738	45	9.9999959	12.3601799	12.3601840
16	9.9999644	11.8927975	11.8928331	46	9.9999964	12.3901434	12.3901470
17	9.9999660	11.9027828	11.9028168	47	9.9999969	12.4223285	12.4223316
18	9.9999676	11.9130030	11.9130354	48	9.9999974	12.4570909	12.4570935
19	9.9999691	11.9234694	11.9235003	49	9.9999978	12.4948797	12.4948819
20	9.9999706	11.9341943	11.9342237	50	9.9999982	12.5362727	12.5362745
21	9.9999721	11.9451906	11.9452186	51	9.9999985	12.5820304	12.5820319
22	9.9999735	11.9564726	11.9564991	52	9.9999988	12.6331831	12.6331843
23	9.9999748	11.9680554	11.9680805	53	9.9999991	12.6911752	12.6911761
24	9.9999762	11.9799555	11.9799793	54	9.9999993	12.7581222	12.7581229
25	9.9999775	11.9921908	11.9922133	55	9.9999995	12.8373036	12.8373040
26	9.9999788	12.0047808	12.0048020	56	9.9999997	12.9342137	12.9342140
27	9.9999800	12.0177466	12.0177666	57	9.9999998	13.0591525	13.0591527
28	9.9999812	12.0311114	12.0311302	58	9.9999999	13.2352438	13.2352439
29	9.9999823	12.0449004	12.0449181	59	10.0000000	13.5362739	13.5362739
30	9.9999835	12.0591416	12.0591581	60	10.0000000	*Infinita.*	*Infinita.*

TABLA

DE LOS

LOGARITHMOS

DE LOS NUMEROS NATURALES

desde 1 hasta 10240.

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
1	0.0000000	41	1.6127839	81	1.9084850	121	2.0827854
2	0.3010300	42	1.6232493	82	1.9138139	122	2.0863598
3	0.4771213	43	1.6334685	83	1.9190781	123	2.0899051
4	0.6020600	44	1.6434527	84	1.9242793	124	2.0934217
5	0.6989700	45	1.6532125	85	1.9294189	125	2.0969100
6	0.7781513	46	1.6627578	86	1.9344985	126	2.1003705
7	0.8450980	47	1.6720979	87	1.9395193	127	2.1038037
8	0.9030900	48	1.6812412	88	1.9444827	128	2.1072100
9	0.9542425	49	1.6901961	89	1.9493900	129	2.1105897
10	1.0000000	50	1.6989700	90	1.9542425	130	2.1139434
11	1.0413927	51	1.7075702	91	1.9590414	131	2.1172713
12	1.0791812	52	1.7160033	92	1.9637878	132	2.1205739
13	1.1139434	53	1.7242759	93	1.9684829	133	2.1238516
14	1.1461280	54	1.7323938	94	1.9731279	134	2.1271048
15	1.1760913	55	1.7403627	95	1.9777236	135	2.1303338
16	1.2041200	56	1.7481880	96	1.9822712	136	2.1335389
17	1.2304489	57	1.7558749	97	1.9867717	137	2.1367206
18	1.2552725	58	1.7634280	98	1.9912261	138	2.1398791
19	1.2787536	59	1.7708520	99	1.9956352	139	2.1430148
20	1.3010300	60	1.7781513	100	2.0000000	140	2.1461280
21	1.3222193	61	1.7853298	101	2.0043214	141	2.1492191
22	1.3424227	62	1.7923917	102	2.0086002	142	2.1522883
23	1.3617278	63	1.7993405	103	2.0128372	143	2.1553360
24	1.3802112	64	1.8061800	104	2.0170333	144	2.1583625
25	1.3979400	65	1.8129134	105	2.0211893	145	2.1613680
26	1.4149733	66	1.8195439	106	2.0253059	146	2.1643529
27	1.4313638	67	1.8260748	107	2.0293838	147	2.1673173
28	1.4471580	68	1.8325089	108	2.0334238	148	2.1702617
29	1.4623980	69	1.8388491	109	2.0374265	149	2.1731863
30	1.4771213	70	1.8450980	110	2.0413927	150	2.1760913
31	1.4913617	71	1.8512583	111	2.0453230	151	2.1789769
32	1.5051500	72	1.8573325	112	2.0492180	152	2.1818436
33	1.5185139	73	1.8633229	113	2.0530784	153	2.1846914
34	1.5314789	74	1.8692317	114	2.0569049	154	2.1875207
35	1.5440680	75	1.8750613	115	2.0606978	155	2.1903317
36	1.5563025	76	1.8808136	116	2.0644580	156	2.1931246
37	1.5682017	77	1.8864907	117	2.0681859	157	2.1958997
38	1.5797836	78	1.8920946	118	2.0718820	158	2.1986571
39	1.5910646	79	1.8976271	119	2.0755470	159	2.2013971
40	1.6020600	80	1.9030900	120	2.0791812	160	2.2041200

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
161	2.2068259	201	2.3031961	241	2.3820170	281	2.4487063
162	2.2095150	202	2.3053514	242	2.3838154	282	2.4502491
163	2.2121876	203	2.3074960	243	2.3856063	283	2.4517864
164	2.2148438	204	2.3096302	244	2.3873898	284	2.4533183
165	2.2174839	205	2.3117539	245	2.3891661	285	2.4548449
166	2.2201081	206	2.3138672	246	2.3909351	286	2.4563660
167	2.2227165	207	2.3159703	247	2.3926970	287	2.4578819
168	2.2253093	208	2.3180633	248	2.3944517	288	2.4593925
169	2.2278867	209	2.3201463	249	2.3961993	289	2.4608978
170	2.2304489	210	2.3222193	250	2.3979400	290	2.4623980
171	2.2329961	211	2.3242825	251	2.3996737	291	2.4638930
172	2.2355284	212	2.3263359	252	2.4014005	292	2.4653829
173	2.2380461	213	2.3283796	253	2.4031205	293	2.4668676
174	2.2405492	214	2.3304138	254	2.4048337	294	2.4683473
175	2.2430380	215	2.3324385	255	2.4065402	295	2.4698220
176	2.2455127	216	2.3344538	256	2.4082400	296	2.4712917
177	2.2479733	217	2.3364597	257	2.4099331	297	2.4727564
178	2.2504200	218	2.3384565	258	2.4116197	298	2.4742163
179	2.2528530	219	2.3404441	259	2.4132998	299	2.4756712
180	2.2552725	220	2.3424227	260	2.4149733	300	2.4771213
181	2.2576786	221	2.3443923	261	2.4166405	301	2.4785665
182	2.2600714	222	2.3463530	262	2.4183013	302	2.4800069
183	2.2624511	223	2.3483049	263	2.4199557	303	2.4814426
184	2.2648178	224	2.3502480	264	2.4216039	304	2.4828736
185	2.2671717	225	2.3521825	265	2.4232459	305	2.4842998
186	2.2695129	226	2.3541084	266	2.4248816	306	2.4857214
187	2.2718416	227	2.3560259	267	2.4265113	307	2.4871384
188	2.2741578	228	2.3579348	268	2.4281348	308	2.4885507
189	2.2764618	229	2.3598355	269	2.4297523	309	2.4899585
190	2.2787536	230	2.3617278	270	2.4313638	310	2.4913617
191	2.2810334	231	2.3636120	271	2.4329693	311	2.4927604
192	2.2833012	232	2.3654880	272	2.4345689	312	2.4941546
193	2.2855573	233	2.3673559	273	2.4361626	313	2.4955443
194	2.2878017	234	2.3692159	274	2.4377506	314	2.4969296
195	2.2900346	235	2.3710679	275	2.4393327	315	2.4983106
196	2.2922561	236	2.3729120	276	2.4409091	316	2.4996871
197	2.2944662	237	2.3747483	277	2.4424798	317	2.5010593
198	2.2966652	238	2.3765770	278	2.4440448	318	2.5024271
199	2.2988531	239	2.3783979	279	2.4456042	319	2.5037907
200	2.3010300	240	2.3802112	280	2.4471580	320	2.5051500

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
321	2.5065050	361	2.5575072	401	2.6031444	441	2.6444386
322	2.5078559	362	2.5587086	402	2.6042261	442	2.6454223
323	2.5092025	363	2.5599066	403	2.6053050	443	2.6464037
324	2.5105450	364	2.5611014	404	2.6063814	444	2.6473830
325	2.5118834	365	2.5622929	405	2.6074550	445	2.6483600
326	2.5132176	366	2.5634811	406	2.6085260	446	2.6493349
327	2.5145478	367	2.5646661	407	2.6095944	447	2.6503075
328	2.5158738	368	2.5658478	408	2.6106602	448	2.6512780
329	2.5171959	369	2.5670264	409	2.6117233	449	2.6522463
330	2.5185139	370	2.5682017	410	2.6127839	450	2.6532125
331	2.5198280	371	2.5693739	411	2.6138418	451	2.6541765
332	2.5211381	372	2.5705429	412	2.6148972	452	2.6551384
333	2.5224442	373	2.5717088	413	2.6159501	453	2.6560982
334	2.5237465	374	2.5728716	414	2.6170003	454	2.6570559
335	2.5250448	375	2.5740313	415	2.6180481	455	2.6580114
336	2.5263393	376	2.5751878	416	2.6190933	456	2.6589648
337	2.5276299	377	2.5763414	417	2.6201361	457	2.6599162
338	2.5289167	378	2.5774918	418	2.6211763	458	2.6608655
339	2.5301997	379	2.5786392	419	2.6222140	459	2.6618127
340	2.5314789	380	2.5797836	420	2.6232493	460	2.6627578
341	2.5327544	381	2.5809250	421	2.6242821	461	2.6637009
342	2.5340261	382	2.5820634	422	2.6253125	462	2.6646420
343	2.5352941	383	2.5831988	423	2.6263404	463	2.6655810
344	2.5365584	384	2.5843312	424	2.6273659	464	2.6665180
345	2.5378191	385	2.5854607	425	2.6283889	465	2.6674530
346	2.5390761	386	2.5865873	426	2.6294096	466	2.6683859
347	2.5403295	387	2.5877110	427	2.6304279	467	2.6693169
348	2.5415792	388	2.5888317	428	2.6314438	468	2.6702459
349	2.5428254	389	2.5899496	429	2.6324573	469	2.6711728
350	2.5440680	390	2.5910646	430	2.6334685	470	2.6720979
351	2.5453071	391	2.5921768	431	2.6344773	471	2.6730209
352	2.5465427	392	2.5932861	432	2.6354837	472	2.6739420
353	2.5477747	393	2.5943926	433	2.6364879	473	2.6748611
354	2.5490033	394	2.5954962	434	2.6374897	474	2.6757783
355	2.5502284	395	2.5965971	435	2.6384893	475	2.6766936
356	2.5514500	396	2.5976952	436	2.6394865	476	2.6776070
357	2.5526682	397	2.5987905	437	2.6404814	477	2.6785184
358	2.5538830	398	2.5998831	438	2.6414741	478	2.6794279
359	2.5550944	399	2.6009729	439	2.6424645	479	2.6803355
360	2.5563025	400	2.6020600	440	2.6434527	480	2.6812412

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
481	2.6821451	521	2.7168377	561	2.7489629	601	2.7788745
482	2.6830470	522	2.7176705	562	2.7497363	602	2.7795965
483	2.6839471	523	2.7185017	563	2.7505084	603	2.7803173
484	2.6848454	524	2.7193313	564	2.7512791	604	2.7810369
485	2.6857417	525	2.7201593	565	2.7520484	605	2.7817554
486	2.6866363	526	2.7209857	566	2.7528164	606	2.7824726
487	2.6875290	527	2.7218106	567	2.7535831	607	2.7831887
488	2.6884198	528	2.7226539	568	2.7543483	608	2.7839036
489	2.6893089	529	2.7234557	569	2.7551123	609	2.7846173
490	2.6901961	530	2.7242759	570	2.7558749	610	2.7853298
491	2.6910815	531	2.7250945	571	2.7566361	611	2.7860412
492	2.6919651	532	2.7259116	572	2.7573960	612	2.7867514
493	2.6928469	533	2.7267272	573	2.7581546	613	2.7874605
494	2.6937269	534	2.7275413	574	2.7589119	614	2.7881684
495	2.6946052	535	2.7283538	575	2.7596678	615	2.7888751
496	2.6954817	536	2.7291648	576	2.7604225	616	2.7895807
497	2.6963564	537	2.7299743	577	2.7611758	617	2.7902852
498	2.6972293	538	2.7307823	578	2.7619278	618	2.7909885
499	2.6981005	539	2.7315888	579	2.7626786	619	2.7916906
500	2.6989700	540	2.7323938	580	2.7634280	620	2.7923917
501	2.6998377	541	2.7331973	581	2.7641761	621	2.7930916
502	2.7007037	542	2.7339993	582	2.7649230	622	2.7937904
503	2.7015680	543	2.7347998	583	2.7656686	623	2.7944880
504	2.7024305	544	2.7355989	584	2.7664128	624	2.7951846
505	2.7032914	545	2.7363965	585	2.7671559	625	2.7958800
506	2.7041505	546	2.7371926	586	2.7678976	626	2.7965743
507	2.7050080	547	2.7379873	587	2.7686381	627	2.7972675
508	2.7058637	548	2.7387806	588	2.7693773	628	2.7979596
509	2.7067178	549	2.7395723	589	2.7701153	629	2.7986506
510	2.7075702	550	2.7403627	590	2.7708520	630	2.7993405
511	2.7084209	551	2.7411516	591	2.7715875	631	2.8000294
512	2.7092700	552	2.7419391	592	2.7723217	632	2.8007171
513	2.7101174	553	2.7427251	593	2.7730547	633	2.8014037
514	2.7109631	554	2.7435098	594	2.7737864	634	2.8020893
515	2.7118072	555	2.7442930	595	2.7745170	635	2.8027737
516	2.7126497	556	2.7450748	596	2.7752463	636	2.8034571
517	2.7134905	557	2.7458552	597	2.7759743	637	2.8041394
518	2.7143298	558	2.7466342	598	2.7767012	638	2.8048207
519	2.7151674	559	2.7474118	599	2.7774268	639	2.8055009
520	2.7160033	560	2.7481880	600	2.7781513	640	2.8061800

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
641	2.8068580	681	2.8331471	721	2.8579353	761	2.8813847
642	2.8075350	682	2.8337844	722	2.8585372	762	2.8819550
643	2.8082110	683	2.8344207	723	2.8591383	763	2.8825245
644	2.8088859	684	2.8350561	724	2.8597386	764	2.8830934
645	2.8095597	685	2.8356906	725	2.8603380	765	2.8836614
646	2.8102325	686	2.8363241	726	2.8609366	766	2.8842288
647	2.8109043	687	2.8369567	727	2.8615344	767	2.8847954
648	2.8115750	688	2.8375884	728	2.8621314	768	2.8853612
649	2.8122447	689	2.8382192	729	2.8627275	769	2.8859263
650	2.8129134	690	2.8388491	730	2.8633229	770	2.8864907
651	2.8135810	691	2.8394780	731	2.8639174	771	2.8870544
652	2.8142476	692	2.8401061	732	2.8645111	772	2.8876173
653	2.8149132	693	2.8407332	733	2.8651040	773	2.8881795
654	2.8155777	694	2.8413595	734	2.8656961	774	2.8887410
655	2.8162413	695	2.8419848	735	2.8662873	775	2.8893017
656	2.8169038	696	2.8426092	736	2.8668778	776	2.8898617
657	2.8175654	697	2.8432328	737	2.8674675	777	2.8904210
658	2.8182259	698	2.8438554	738	2.8680564	778	2.8909796
659	2.8188854	699	2.8444772	739	2.8686444	779	2.8915375
660	2.8195439	700	2.8450980	740	2.8692317	780	2.8920946
661	2.8202015	701	2.8457180	741	2.8698182	781	2.8926510
662	2.8208580	702	2.8463371	742	2.8704039	782	2.8932068
663	2.8215135	703	2.8469553	743	2.8709888	783	2.8937618
664	2.8221681	704	2.8475727	744	2.8715729	784	2.8943161
665	2.8228216	705	2.8481891	745	2.8721563	785	2.8948697
666	2.8234742	706	2.8488047	746	2.8727388	786	2.8954225
667	2.8241258	707	2.8494194	747	2.8733206	787	2.8959747
668	2.8247765	708	2.8500333	748	2.8739016	788	2.8965262
669	2.8254261	709	2.8506462	749	2.8744818	789	2.8970770
670	2.8260748	710	2.8512583	750	2.8750613	790	2.8976271
671	2.8267225	711	2.8518696	751	2.8756399	791	2.8981765
672	2.8273693	712	2.8524800	752	2.8762178	792	2.8987252
673	2.8280151	713	2.8530895	753	2.8767950	793	2.8992732
674	2.8286599	714	2.8536982	754	2.8773713	794	2.8998205
675	2.8293038	715	2.8543060	755	2.8779470	795	2.9003671
676	2.8299467	716	2.8549130	756	2.8785218	796	2.9009131
677	2.8305887	717	2.8555192	757	2.8790959	797	2.9014583
678	2.8312297	718	2.8561244	758	2.8796692	798	2.9020029
679	2.8318698	719	2.8567289	759	2.8802418	799	2.9025468
680	2.8325089	720	2.8573325	760	2.8808136	800	2.9030900

	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
1	2.9036325	841	2.9247960	881	2.9449759	921	2.9642596
2	2.9041744	842	2.9253121	882	2.9454686	922	2.9647309
3	2.9047155	843	2.9258276	883	2.9459607	923	2.9652017
4	2.9052560	844	2.9263424	884	2.9464523	924	2.9656720
5	2.9057959	845	2.9268567	885	2.9469433	925	2.9661417
6	2.9063350	846	2.9273704	886	2.9474337	926	2.9666110
7	2.9068735	847	2.9278834	887	2.9479236	927	2.9670797
8	2.9074114	848	2.9283959	888	2.9484130	928	2.9675480
9	2.9079485	849	2.9289077	889	2.9489018	929	2.9680157
0	2.9084850	850	2.9294189	890	2.9493900	930	2.9684829
1	2.9090209	851	2.9299296	891	2.9498777	931	2.9689497
2	2.9095560	852	2.9304396	892	2.9503649	932	2.9694159
3	2.9100905	853	2.9309490	893	2.9508515	933	2.9698816
4	2.9106244	854	2.9314579	894	2.9513375	934	2.9703469
5	2.9111576	855	2.9319661	895	2.9518230	935	2.9708116
6	2.9116902	856	2.9324738	896	2.9523080	936	2.9712758
7	2.9122221	857	2.9329808	897	2.9527625	937	2.9717396
8	2.9127533	858	2.9334873	898	2.9532763	938	2.9722028
9	2.9132839	859	2.9339932	899	2.9537597	939	2.9726656
0	2.9138139	860	2.9344985	900	2.9542425	940	2.9731279
1	2.9143432	861	2.9350032	901	2.9547248	941	2.9735896
2	2.9148718	862	2.9355073	902	2.9552065	942	2.9740509
3	2.9153998	863	2.9360108	903	2.9556878	943	2.9745117
4	2.9159272	864	2.9365137	904	2.9561684	944	2.9749720
5	2.9164539	865	2.9370161	905	2.9566486	945	2.9754318
6	2.9169800	866	2.9375179	906	2.9571282	946	2.9758911
7	2.9175055	867	2.9380191	907	2.9576073	947	2.9763500
8	2.9180303	868	2.9385197	908	2.9580858	948	2.9768083
9	2.9185545	869	2.9390198	909	2.9585639	949	2.9772662
0	2.9190781	870	2.9395193	910	2.9590414	950	2.9777236
1	2.9196010	871	2.9400182	911	2.9595184	951	2.9781805
2	2.9201233	872	2.9405165	912	2.9599948	952	2.9786369
3	2.9206450	873	2.9410142	913	2.9604708	953	2.9790929
4	2.9211661	874	2.9415114	914	2.9609462	954	2.9795484
5	2.9216865	875	2.9420081	915	2.9614211	955	2.9700034
6	2.9222063	876	2.9425041	916	2.9618955	956	2.9804579
7	2.9227255	877	2.9429996	917	2.9623693	957	2.9809119
8	2.9232440	878	2.9434945	918	2.9628427	958	2.9813655
9	2.9237620	879	2.9439889	919	2.9633155	959	2.9818186
0	2.9242793	880	2.9444827	920	2.9637878	960	2.9822712

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
961	2.9827234	1001	3.0004341	1041	3.0175407	1081	3.0338257
962	2.9831751	1002	3.0008677	1042	3.0178677	1082	3.0342273
963	2.9836263	1003	3.0013009	1043	3.0182843	1083	3.0346285
964	2.9840770	1004	3.0017337	1044	3.0187005	1084	3.0350293
965	2.9845273	1005	3.0021661	1045	3.0191163	1085	3.0354297
966	2.9849771	1006	3.0025980	1046	3.0195317	1086	3.0358298
967	2.9854265	1007	3.0030295	1047	3.0199467	1087	3.0362295
968	2.9858754	1008	3.0034605	1048	3.0203613	1088	3.0366289
969	2.9863238	1009	3.0038912	1049	3.0207755	1089	3.0370279
970	2.9867717	1010	3.0043214	1050	3.0211893	1090	3.0374265
971	2.9872192	1011	3.0047512	1051	3.0216027	1091	3.0378248
972	2.9876663	1012	3.0051805	1052	3.0220157	1092	3.0382226
973	2.9881128	1013	3.0056094	1053	3.0224284	1093	3.0386202
974	2.9885590	1014	3.0060380	1054	3.0228406	1094	3.0390173
975	2.9890046	1015	3.0064660	1055	3.0232525	1095	3.0394141
976	2.9894498	1016	3.0068937	1056	3.0236639	1096	3.0398106
977	2.9898946	1017	3.0073210	1057	3.0240750	1097	3.0402066
978	2.9903389	1018	3.0077478	1058	3.0244857	1098	3.0406023
979	2.9907827	1019	3.0081742	1059	3.0248960	1099	3.0409977
980	2.9912261	1020	3.0086002	1060	3.0253059	1100	3.0413927
981	2.9916690	1021	3.0090257	1061	3.0257154	1101	3.0417873
982	2.9921115	1022	3.0094509	1062	3.0261245	1102	3.0421816
983	2.9925535	1023	3.0098756	1063	3.0265333	1103	3.0425755
984	2.9929951	1024	3.0103000	1064	3.0269416	1104	3.0429691
985	2.9934362	1025	3.0107239	1065	3.0273496	1105	3.0433623
986	2.9938769	1026	3.0111474	1066	3.0277572	1106	3.0437551
987	2.9943172	1027	3.0115704	1067	3.0281644	1107	3.0441476
988	2.9947569	1028	3.0119931	1068	3.0285713	1108	3.0445398
989	2.9951963	1029	3.0124154	1069	3.0289777	1109	3.0449315
990	2.9956352	1030	3.0128372	1070	3.0293838	1110	3.0453230
991	2.9960737	1031	3.0132587	1071	3.0297895	1111	3.0457141
992	2.9965117	1032	3.0136797	1072	3.0301948	1112	3.0461048
993	2.9969492	1033	3.0141003	1073	3.0305997	1113	3.0464952
994	2.9973864	1034	3.0145205	1074	3.0310043	1114	3.0468852
995	2.9978231	1035	3.0149403	1075	3.0314085	1115	3.0472749
996	2.9982593	1036	3.0153598	1076	3.0318123	1116	3.0476642
997	2.9986952	1037	3.0157788	1077	3.0322157	1117	3.0480532
998	2.9991305	1038	3.0161974	1078	3.0326188	1118	3.0484418
999	2.9995655	1039	3.0166155	1079	3.0330214	1119	3.0488301
1000	3.0000000	1040	3.0170333	1080	3.0334238	1120	3.0492180

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
1121	3.0496056	1161	3.0648322	1201	3.0795430	1241	3.0937718
1122	3.0499929	1162	3.0652061	1202	3.0799045	1242	3.0941216
1123	3.0503798	1163	3.0655797	1203	3.0802656	1243	3.0944711
1124	3.0507663	1164	3.0659530	1204	3.0806265	1244	3.0948204
1125	3.0511525	1165	3.0663259	1205	3.0809870	1245	3.0951694
1126	3.0515384	1166	3.0666986	1206	3.0813473	1246	3.0955180
1127	3.0519239	1167	3.0670709	1207	3.0817073	1247	3.0958665
1128	3.0523091	1168	3.0674428	1208	3.0820669	1248	3.0962146
1129	3.0526939	1169	3.0678145	1209	3.0824263	1249	3.0965624
1130	3.0530784	1170	3.0681859	1210	3.0827854	1250	3.0969100
1131	3.0534626	1171	3.0685569	1211	3.0831441	1251	3.0972573
1132	3.0538464	1172	3.0689276	1212	3.0835026	1252	3.0976043
1133	3.0542299	1173	3.0692980	1213	3.0838608	1253	3.0979511
1134	3.0546131	1174	3.0696681	1214	3.0842187	1254	3.0982975
1135	3.0549959	1175	3.0700379	1215	3.0845763	1255	3.0986437
1136	3.0553783	1176	3.0704073	1216	3.0849336	1256	3.0989896
1137	3.0557605	1177	3.0707765	1217	3.0852906	1257	3.0993353
1138	3.0561423	1178	3.0711453	1218	3.0856473	1258	3.0996806
1139	3.0565237	1179	3.0715138	1219	3.0860037	1259	3.1000257
1140	3.0569049	1180	3.0718820	1220	3.0863598	1260	3.1003705
1141	3.0572856	1181	3.0722499	1221	3.0867156	1261	3.1007151
1142	3.0576661	1182	3.0726175	1222	3.0870712	1262	3.1010594
1143	3.0580462	1183	3.0729847	1223	3.0874265	1263	3.1014034
1144	3.0584260	1184	3.0733517	1224	3.0877814	1264	3.1017471
1145	3.0588055	1185	3.0737184	1225	3.0881361	1265	3.1020905
1146	3.0591846	1186	3.0740847	1226	3.0884905	1266	3.1024337
1147	3.0595634	1187	3.0744507	1227	3.0888446	1267	3.1027766
1148	3.0599419	1188	3.0748164	1228	3.0891984	1268	3.1031193
1149	3.0603200	1189	3.0751819	1229	3.0895519	1269	3.1034616
1150	3.0606978	1190	3.0755470	1230	3.0899051	1270	3.1038037
1151	3.0610753	1191	3.0759118	1231	3.0902581	1271	3.1041456
1152	3.0614525	1192	3.0762763	1232	3.0906107	1272	3.1044871
1153	3.0618293	1193	3.0766404	1233	3.0909631	1273	3.1048284
1154	3.0622058	1194	3.0770043	1234	3.0913152	1274	3.1051694
1155	3.0625820	1195	3.0773679	1235	3.0916670	1275	3.1055102
1156	3.0629578	1196	3.0777312	1236	3.0920185	1276	3.1058507
1157	3.0633334	1197	3.0780942	1237	3.0923697	1277	3.1061909
1158	3.0637086	1198	3.0784568	1238	3.0927206	1278	3.1065309
1159	3.0640834	1199	3.0788192	1239	3.0930713	1279	3.1068705
1160	3.0644580	1200	3.0791812	1240	3.0934217	1280	3.1072100

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
1281	3.1075491	1321	3.1209028	1361	3.1338581	1401	3.1464381
1282	3.1078880	1322	3.1212315	1362	3.1341771	1402	3.1467480
1283	3.1082267	1323	3.1215598	1363	3.1344959	1403	3.1470577
1284	3.1085650	1324	3.1218880	1364	3.1348144	1404	3.1473671
1285	3.1089031	1325	3.1222159	1365	3.1351327	1405	3.1476763
1286	3.1092410	1326	3.1225435	1366	3.1354507	1406	3.1479853
1287	3.1095785	1327	3.1228709	1367	3.1357685	1407	3.1482941
1288	3.1099159	1328	3.1231981	1368	3.1360861	1408	3.1486027
1289	3.1102529	1329	3.1235250	1369	3.1364034	1409	3.1489110
1290	3.1105897	1330	3.1238516	1370	3.1367206	1410	3.1492191
1291	3.1109262	1331	3.1241781	1371	3.1370375	1411	3.1495270
1292	3.1112625	1332	3.1245042	1372	3.1373541	1412	3.1498347
1293	3.1115985	1333	3.1248301	1373	3.1376705	1413	3.1501422
1294	3.1119343	1334	3.1251558	1374	3.1379867	1414	3.1504494
1295	3.1122698	1335	3.1254813	1375	3.1383027	1415	3.1507564
1296	3.1126050	1336	3.1258065	1376	3.1386184	1416	3.1510633
1297	3.1129400	1337	3.1261314	1377	3.1389339	1417	3.1513699
1298	3.1132747	1338	3.1264561	1378	3.1392492	1418	3.1516762
1299	3.1136092	1339	3.1267806	1379	3.1395643	1419	3.1519824
1300	3.1139434	1340	3.1271048	1380	3.1398791	1420	3.1522883
1301	3.1142773	1341	3.1274288	1381	3.1401937	1421	3.1525941
1302	3.1146110	1342	3.1277525	1382	3.1405080	1422	3.1528996
1303	3.1149444	1343	3.1280760	1383	3.1408222	1423	3.1532049
1304	3.1152776	1344	3.1283993	1384	3.1411361	1424	3.1535100
1305	3.1156105	1345	3.1287223	1385	3.1414498	1425	3.1538149
1306	3.1159432	1346	3.1290451	1386	3.1417632	1426	3.1541195
1307	3.1162756	1347	3.1293676	1387	3.1420765	1427	3.1544240
1308	3.1166077	1348	3.1296899	1388	3.1423895	1428	3.1547282
1309	3.1169396	1349	3.1300119	1389	3.1427022	1429	3.1550322
1310	3.1172713	1350	3.1303338	1390	3.1430148	1430	3.1553360
1311	3.1176027	1351	3.1306553	1391	3.1433271	1431	3.1556396
1312	3.1179338	1352	3.1309767	1392	3.1436392	1432	3.1559430
1313	3.1182647	1353	3.1312978	1393	3.1439511	1433	3.1562462
1314	3.1185954	1354	3.1316187	1394	3.1442628	1434	3.1565492
1315	3.1189258	1355	3.1319393	1395	3.1445742	1435	3.1568519
1316	3.1192559	1356	3.1322597	1396	3.1448854	1436	3.1571544
1317	3.1195858	1357	3.1325798	1397	3.1451964	1437	3.1574568
1318	3.1199154	1358	3.1328998	1398	3.1455072	1438	3.1577589
1319	3.1202448	1359	3.1332195	1399	3.1458177	1439	3.1580608
1320	3.1205739	1360	3.1335389	1400	3.1461280	1440	3.1583625

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
1441	3.1586640	1481	3.1705551	1521	3.1821292	1561	3.1934029
1442	3.1589653	1482	3.1708482	1522	3.1824147	1562	3.1936810
1443	3.1592663	1483	3.1711412	1523	3.1826999	1563	3.1939590
1444	3.1595672	1484	3.1714339	1524	3.1829850	1564	3.1942367
1445	3.1598678	1485	3.1717265	1525	3.1832698	1565	3.1945143
1446	3.1601683	1486	3.1720188	1526	3.1835545	1566	3.1947918
1447	3.1604685	1487	3.1723110	1527	3.1838390	1567	3.1950690
1448	3.1607686	1488	3.1726029	1528	3.1841234	1568	3.1953461
1449	3.1610684	1489	3.1728947	1529	3.1844075	1569	3.1956229
1450	3.1613680	1490	3.1731863	1530	3.1846914	1570	3.1958997
1451	3.1616674	1491	3.1734776	1531	3.1849752	1571	3.1961762
1452	3.1619666	1492	3.1737688	1532	3.1852588	1572	3.1964525
1453	3.1622656	1493	3.1740598	1533	3.1855422	1573	3.1967287
1454	3.1625644	1494	3.1743506	1534	3.1858254	1574	3.1970047
1455	3.1628630	1495	3.1746412	1535	3.1861084	1575	3.1972806
1456	3.1631614	1496	3.1749316	1536	3.1863912	1576	3.1975562
1457	3.1634596	1497	3.1752218	1537	3.1866739	1577	3.1978317
1458	3.1637575	1498	3.1755118	1538	3.1869563	1578	3.1981070
1459	3.1640553	1499	3.1758016	1539	3.1872386	1579	3.1983821
1460	3.1643529	1500	3.1760913	1540	3.1875207	1580	3.1986571
1461	3.1646502	1501	3.1763807	1541	3.1878026	1581	3.1989319
1462	3.1649474	1502	3.1766699	1542	3.1880844	1582	3.1992065
1463	3.1652443	1503	3.1769590	1543	3.1883659	1583	3.1994809
1464	3.1655411	1504	3.1772478	1544	3.1886473	1584	3.1997552
1465	3.1658376	1505	3.1775365	1545	3.1889285	1585	3.2000293
1466	3.1661340	1506	3.1778250	1546	3.1892095	1586	3.2003032
1467	3.1664301	1507	3.1781133	1547	3.1894903	1587	3.2005769
1468	3.1667261	1508	3.1784013	1548	3.1897710	1588	3.2008505
1469	3.1670218	1509	3.1786892	1549	3.1900514	1589	3.2011239
1470	3.1673173	1510	3.1789769	1550	3.1903317	1590	3.2013971
1471	3.1676127	1511	3.1792645	1551	3.1906118	1591	3.2016702
1472	3.1679078	1512	3.1795518	1552	3.1908917	1592	3.2019431
1473	3.1682027	1513	3.1798389	1553	3.1911715	1593	3.2022158
1474	3.1684975	1514	3.1801259	1554	3.1914510	1594	3.2024883
1475	3.1687920	1515	3.1804126	1555	3.1917304	1595	3.2027607
1476	3.1690864	1516	3.1806992	1556	3.1920096	1596	3.2030329
1477	3.1693805	1517	3.1809856	1557	3.1922886	1597	3.2033049
1478	3.1696744	1518	3.1812718	1558	3.1925675	1598	3.2035768
1479	3.1699682	1519	3.1815578	1559	3.1928461	1599	3.2038485
1480	3.1702617	1520	3.1818436	1560	3.1931246	1600	3.2041200

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
1601	3.2043913	1641	3.2151086	1681	3.2255677	1721	3.2357809
1602	3.2046625	1642	3.2153732	1682	3.2258260	1722	3.2360331
1603	3.2049335	1643	3.2156376	1683	3.2260841	1723	3.2362853
1604	3.2052044	1644	3.2159018	1684	3.2263421	1724	3.2365373
1605	3.2054750	1645	3.2161659	1685	2.2265999	1725	3.2367891
1606	3.2057455	1646	3.2164298	1686	3.2268576	1726	3.2370408
1607	3.2060159	1647	3.2166936	1687	3.2271151	1727	3.2372923
1608	3.2062860	1648	3.2169572	1688	3.2273724	1728	3.2375437
1609	3.2065560	1649	3.2172207	1689	3.2276296	1729	3.2377950
1610	3.2068259	1650	3.2174839	1690	3.2278867	1730	3.2380461
1611	3.2070955	1651	3.2177471	1691	3.2281436	1731	3.2382971
1612	3.2073650	1652	3.2180100	1692	3.2284004	1732	3.2385479
1613	3.2076344	1653	3.2182729	1693	3.2286570	1733	3.2387986
1614	3.2079035	1654	3.2185355	1694	3.2289134	1734	3.2390491
1615	3.2081725	1655	3.2187980	1695	3.2291697	1735	3.2392995
1616	3.2084414	1656	3.2190603	1696	3.2294258	1736	3.2395497
1617	3.2087100	1657	3.2193225	1697	3.2296818	1737	3.2397998
1618	3.2089785	1658	3.2195845	1698	3.2299377	1738	3.2400498
1619	3.2092468	1659	3.2198464	1699	3.2301934	1739	3.2402996
1620	3.2095150	1660	3.2201081	1700	3.2304489	1740	3.2405492
1621	3.2097830	1661	3.2203696	1701	3.2307043	1741	3.2407988
1622	3.2100508	1662	3.2206310	1702	3.2309596	1742	3.2410482
1623	3.2103185	1663	3.2208922	1703	3.2312146	1743	3.2412974
1624	3.2105860	1664	3.2211533	1704	3.2314696	1744	3.2415465
1625	3.2108534	1665	3.2214142	1705	3.2317244	1745	3.2417954
1626	3.2111205	1666	3.2216750	1706	3.2319790	1746	3.2420442
1627	3.2113876	1667	3.2219356	1707	3.2322335	1747	3.2422929
1628	3.2116545	1668	3.2221960	1708	3.2324879	1748	3.2425414
1629	3.2119211	1669	3.2224563	1709	3.2327421	1749	3.2427898
1630	3.2121876	1670	3.2227165	1710	3.2329961	1750	3.2430380
1631	3.2124540	1671	3.2229764	1711	3.2332500	1751	3.2432861
1632	3.2127202	1672	3.2232363	1712	3.2335038	1752	3.2435341
1633	3.2129862	1673	3.2234959	1713	3.2337574	1753	3.2437819
1634	3.2132521	1674	3.2237555	1714	3.2340108	1754	3.2440296
1635	3.2135178	1675	3.2240148	1715	3.2342641	1755	3.2442771
1636	3.2137833	1676	3.2242740	1716	3.2345173	1756	3.2445245
1637	3.2140487	1677	3.2245331	1717	3.2347703	1757	3.2447718
1638	3.2143139	1678	3.2247920	1718	3.2350232	1758	3.2450189
1639	3.2145790	1679	3.2250507	1719	3.2352759	1759	3.2452658
1640	3.2148438	1680	3.2253093	1720	3.2355284	1760	3.2455127

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
1761	3.2457594	1801	3.2555137	1841	3.2650538	1881	3.2743888
1762	3.2460059	1802	3.2557548	1842	3.2652896	1882	3.2746196
1763	3.2462523	1803	3.2559957	1843	3.2655253	1883	3.2748503
1764	3.2464986	1804	3.2562365	1844	3.2657609	1884	3.2750809
1765	3.2467447	1805	3.2564772	1845	3.2659964	1885	3.2753114
1766	3.2469907	1806	3.2567177	1846	3.2662317	1886	3.2755417
1767	3.2472365	1807	3.2569582	1847	3.2664669	1887	3.2757719
1768	3.2474823	1808	3.2571984	1848	3.2667020	1888	3.2760020
1769	3.2477278	1809	3.2574386	1849	3.2669369	1889	3.2762320
1770	3.2479733	1810	3.2576786	1850	3.2671717	1890	3.2764618
1771	3.2482186	1811	3.2579185	1851	3.2674064	1891	3.2766915
1772	3.2484637	1812	3.2581582	1852	3.2676410	1892	3.2769211
1773	3.2487087	1813	3.2583978	1853	3.2678754	1893	3.2771506
1774	3.2489536	1814	3.2586373	1854	3.2681097	1894	3.2773800
1775	3.2491984	1815	3.2588766	1855	3.2683439	1895	3.2776092
1776	3.2494430	1816	3.2591158	1856	3.2685780	1896	3.2778383
1777	3.2496874	1817	3.2593549	1857	3.2688119	1897	3.2780673
1778	3.2499318	1818	3.2595939	1858	3.2690457	1898	3.2782962
1779	3.2501759	1819	3.2598327	1859	3.2692794	1899	3.2785250
1780	3.2504200	1820	3.2600714	1860	3.2695129	1900	3.2787536
1781	3.2506639	1821	3.2603099	1861	3.2697464	1901	3.2789821
1782	3.2509077	1822	3.2605484	1862	3.2699797	1902	3.2792105
1783	3.2511513	1823	3.2607867	1863	3.2702129	1903	3.2794388
1784	3.2513949	1824	3.2610248	1864	3.2704459	1904	3.2796669
1785	3.2516382	1825	3.2612629	1865	3.2706788	1905	3.2798950
1786	3.2518815	1826	3.2615008	1866	3.2709116	1906	3.2801229
1787	3.2521246	1827	3.2617385	1867	3.2711443	1907	3.2803507
1788	3.2523675	1828	3.2619762	1868	3.2713769	1908	3.2805784
1789	3.2526103	1829	3.2622137	1869	3.2716093	1909	3.2808059
1790	3.2528530	1830	3.2624511	1870	3.2718416	1910	3.2810334
1791	3.2530956	1831	3.2626883	1871	3.2720738	1911	3.2812607
1792	3.2533380	1832	3.2629255	1872	3.2723058	1912	3.2814879
1793	3.2535803	1833	3.2631625	1873	3.2725378	1913	3.2817150
1794	3.2538224	1834	3.2633993	1874	3.2727696	1914	3.2819419
1795	3.2540645	1835	3.2636361	1875	3.2730013	1915	3.2821688
1796	3.2543063	1836	3.2638727	1876	3.2732328	1916	3.2823955
1797	3.2545481	1837	3.2641092	1877	3.2734643	1917	3. 826221
1798	3.2547897	1838	3.2643455	1878	3.2736956	1918	3.2828486
1799	3.2550312	1839	3.2645817	1879	3.2739268	1919	3.2830750
1800	3.2552725	1840	3.2648178	1880	3.2741578	1920	3.2833012

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
1921	3.2835274	1961	3.2924776	2001	3.3012471	2041	3.3098430
1922	3.2837534	1962	3.2926990	2002	3.3014641	2042	3.3100557
1923	3.2839793	1963	3.2929203	2003	3.3016809	2043	3.3102684
1924	3.2842051	1964	3.2931415	2004	3.3018977	2044	3.3104809
1925	3.2844307	1965	3.2933626	2005	3.3021144	2045	3.3106933
1926	3.2846563	1966	3.2935835	2006	3.3023309	2046	3.3109056
1927	3.2848817	1967	3.2938044	2007	3.3025474	2047	3.3111178
1928	3.2851070	1968	3.2940251	2008	3.3027637	2048	3.3113300
1929	3.2853322	1969	3.2942457	2009	3.3029799	2049	3.3115420
1930	3.2855573	1970	3.2944662	2010	3.3031961	2050	3.3117539
1931	3.2857823	1971	3.2946866	2011	3.3034121	2051	3.3119657
1932	3.2860071	1972	3.2949069	2012	3.3036280	2052	3.3121774
1933	3.2862319	1973	3.2951271	2013	3.3038438	2053	3.3123889
1934	3.2864565	1974	3.2953471	2014	3.3040595	2054	3.3126004
1935	3.2866810	1975	3.2955671	2015	3.3042751	2055	3.3128118
1936	3.2869054	1976	3.2957869	2016	3.3044905	2056	3.3130231
1937	3.2871296	1977	3.2960067	2017	3.3047059	2057	3.3132343
1938	3.2873538	1978	3.2962263	2018	3.3049212	2058	3.3134454
1939	3.2875778	1979	3.2964458	2019	3.3051363	2059	3.3136563
1940	3.2878017	1980	3.2966652	2020	3.3053514	2060	3.3138672
1941	3.2880255	1981	3.2968845	2021	3.3055663	2061	3.3140780
1942	3.2882492	1982	3.2971037	2022	3.3057812	2062	3.3142887
1943	3.2884728	1983	3.2973227	2023	3.3059959	2063	3.3144992
1944	3.2886963	1984	3.2975417	2024	3.3062105	2064	3.3147097
1945	3.2889196	1985	3.2977605	2025	3.3064250	2065	3.3149201
1946	3.2891428	1986	3.2979792	2026	3.3066394	2066	3.3151303
1947	3.2893660	1987	3.2981979	2027	3.3068537	2067	3.3153405
1948	3.2895890	1988	3.2984164	2028	3.3070680	2068	3.3155505
1949	3.2898118	1989	3.2986348	2029	3.3072820	2069	3.3157605
1950	3.2900346	1990	3.2988531	2030	3.3074960	2070	3.3159703
1951	3.2902573	1991	3.2990713	2031	3.3077099	2071	3.3161801
1952	3.2904798	1992	3.2992893	2032	3.3079237	2072	3.3163898
1953	3.2907022	1993	3.2995073	2033	3.3081374	2073	3.3165993
1954	3.2909246	1994	3.2997252	2034	3.3083509	2074	3.3168088
1955	3.2911468	1995	3.2999429	2035	3.3085644	2075	3.3170181
1956	3.2913689	1996	3.3001605	2036	3.3087778	2076	3.3172273
1957	3.2915908	1997	3.3003781	2037	3.3089910	2077	3.3174365
1958	3.2918127	1998	3.3005955	2038	3.3092042	2078	3.3176455
1959	3.2920344	1999	3.3008128	2039	3.3094172	2079	3.3178545
1960	3.2922561	2000	3.3010300	2040	3.3096302	2080	3.3180633

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
2081	3.3182721	2121	3.3265407	2161	3.3346548	2201	3.3426200
2082	3.3184807	2122	3.3267454	2162	3.3348557	2202	3.3428173
2083	3.3186893	2123	3.3269500	2163	3.3350565	2203	3.3430145
2084	3.3188977	2124	3.3271545	2164	3.3352573	2204	3.3432116
2085	3.3191061	2125	3.3273589	2165	3.3354579	2205	3.3434086
2086	3.3193143	2126	3.3275633	2166	3.3356585	2206	3.3436055
2087	3.3195224	2127	3.3277675	2167	3.3358589	2207	3.3438023
2088	3.3197305	2128	3.3279716	2168	3.3360593	2208	3.3439991
2089	3.3199384	2129	3.3281757	2169	3.3362596	2209	3.3441957
2090	3.3201463	2130	3.3283796	2170	3.3364597	2210	3.3443923
2091	3.3203540	2131	3.3285834	2171	3.3366598	2211	3.3445887
2092	3.3205617	2132	3.3287872	2172	3.3368598	2212	3.3447851
2093	3.3207692	2133	3.3289909	2173	3.3370597	2213	3.3449814
2094	3.3209767	2134	3.3291944	2174	3.3372595	2214	3.3451776
2095	3.3211840	2135	3.3293979	2175	3.3374593	2215	3.3453737
2096	3.3213913	2136	3.3296012	2176	3.3376589	2216	3.3455698
2097	3.3215984	2137	3.3298045	2177	3.3378584	2217	3.3457657
2098	3.3218055	2138	3.3300077	2178	3.3380579	2218	3.3459615
2099	3.3220124	2139	3.3302108	2179	3.3382572	2219	3.3461573
2100	3.3222193	2140	3.3304138	2180	3.3384565	2220	3.3463530
2101	3.3224261	2141	3.3306167	2181	3.3386557	2221	3.3465486
2102	3.3226327	2142	3.3308195	2182	3.3388547	2222	3.3467441
2103	3.3228393	2143	3.3310222	2183	3.3390537	2223	3.3469395
2104	3.3230457	2144	3.3312248	2184	3.3392526	2224	3.3471348
2105	3.3232521	2145	3.3314273	2185	3.3394514	2225	3.3473300
2106	3.3234584	2146	3.3316297	2186	3.3396502	2226	3.3475252
2107	3.3236645	2147	3.3318320	2187	3.3398488	2227	3.3477202
2108	3.3238706	2148	3.3320343	2188	3.3400473	2228	3.3479152
2109	3.3240766	2149	3.3322364	2189	3.3402458	2229	3.3481101
2110	3.3242825	2150	3.3324385	2190	3.3404441	2230	3.3483049
2111	3.3244882	2151	3.3326404	2191	3.3406424	2231	3.3484996
2112	3.3246939	2152	3.3328423	2192	3.3408405	2232	3.3486942
2113	3.3248995	2153	3.3330440	2193	3.3410386	2233	3.3488887
2114	3.3251050	2154	3.3332457	2194	3.3412366	2234	3.3490832
2115	3.3253104	2155	3.3334473	2195	3.3414345	2235	3.3492775
2116	3.3255157	2156	3.3336488	2196	3.3416323	2236	3.3494718
2117	3.3257209	2157	3.3338501	2197	3.3418301	2237	3.3496660
2118	3.3259260	2158	3.3340514	2198	3.3420277	2238	3.3498601
2119	3.3261310	2159	3.3342526	2199	3.3422252	2239	3.3500541
2120	3.3263359	2160	3.3344538	2200	3.3424227	2240	3.3502480

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith
2241	3.3504419	2281	3.3581253	2321	3.3656751	2361	3.373096
2242	3.3506356	2282	3.3583156	2322	3.3658622	2362	3.373279
2243	3.3508293	2283	3.3585059	2323	3.3660492	2363	3.373463
2244	3.3510229	2284	3.3586961	2324	3.3662361	2364	3.373647
2245	3.3512163	2285	3.3588862	2325	3.3664230	2365	3.373831
2246	3.3514098	2286	3.3590762	2326	3.3666097	2366	3.374014
2247	3.3516031	2287	3.3592662	2327	3.3667964	2367	3.374198
2248	3.3517963	2288	3.3594560	2328	3.3669830	2368	3.374381
2249	3.3519895	2289	3.3596458	2329	3.3671695	2369	3.374565
2250	3.3521825	2290	3.3598355	2330	3.3673559	2370	3.374748
2251	3.3523755	2291	3.3600251	2331	3.3675423	2371	3.374931
2252	3.3525684	2292	3.3602146	2332	3.3677285	2372	3.375114
2253	3.3527612	2293	3.3604041	2333	3.3679147	2373	3.375297
2254	3.3529539	2294	3.3605934	2334	3.3681009	2374	3.375480
2255	3.3531465	2295	3.3607827	2335	3.3682869	2375	3.375663
2256	3.3533391	2296	3.3609719	2336	3.3684728	2376	3.375846
2257	3.3535316	2297	3.3611610	2337	3.3686587	2377	3.376029
2258	3.3537239	2298	3.3613500	2338	3.3688445	2378	3.376211
2259	3.3539162	2299	3.3615390	2339	3.3690302	2379	3.376394
2260	3.3541084	2300	3.3617278	2340	3.3692159	2380	3.376577
2261	3.3543006	2301	3.3619166	2341	3.3694014	2381	3.376759
2262	3.3544926	2302	3.3621053	2342	3.3695869	2382	3.376941
2263	3.3546846	2303	3.3622939	2343	3.3697723	2383	3.377124
2264	3.3548764	2304	3.3624825	2344	3.3699576	2384	3.377306
2265	3.3550682	2305	3.3626709	2345	3.3701428	2385	3.377488
2266	3.3552599	2306	3.3628593	2346	3.3703280	2386	3.377670
2267	3.3554515	2307	3.3630476	2347	3.3705131	2387	3.377852
2268	3.3556431	2308	3.3632358	2348	3.3706981	2388	3.378034
2269	3.3558345	2309	3.3634239	2349	3.3708830	2389	3.378216
2270	3.3560259	2310	3.3636120	2350	3.3710679	2390	3.378397
2271	3.3562171	2311	3.3637999	2351	3.3712526	2391	3.378579
2272	3.3564083	2312	3.3639878	2352	3.3714373	2392	3.378761
2273	3.3565994	2313	3.3641756	2353	3.3716219	2393	3.378942
2274	3.3567905	2314	3.3643634	2354	3.3718065	2394	3.379124
2275	3.3569814	2315	3.3645510	2355	3.3719909	2395	3.379305
2276	3.3571723	2316	3.3647386	2356	3.3721753	2396	3.379486
2277	3.3573630	2317	3.3649260	2357	3.3723596	2397	3.379668
2278	3.3575537	2318	3.3651134	2358	3.3725438	2398	3.379849
2279	3.3577443	2319	3.3653007	2359	3.3727279	2399	3.380030
2280	3.3579348	2320	3.3654880	2360	3.3729120	2400	3.380211

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
2401	3.3803922	2441	3.3875678	2481	3.3946268	2521	3.4015728
2402	3.3805730	2442	3.3877457	2482	3.3948018	2522	3.4017451
2403	3.3807538	2443	3.3879235	2483	3.3949767	2523	3.4019173
2404	3.3809345	2444	3.3881012	2484	3.3951516	2524	3.4020894
2405	3.3811151	2445	3.3882789	2485	3.3953264	2525	3.4022614
2406	3.3812956	2446	3.3884565	2486	3.3955011	2526	3.4024333
2407	3.3814761	2447	3.3886340	2487	3.3956758	2527	3.4026052
2408	3.3816565	2448	3.3888114	2488	3.3958504	2528	3.4027771
2409	3.3818368	2449	3.3889888	2489	3.3960249	2529	3.4029488
2410	3.3820170	2450	3.3891661	2490	3.3961993	2530	3.4031205
2411	3.3821972	2451	3.3893433	2491	3.3963737	2531	3.4032921
2412	3.3823773	2452	3.3895205	2492	3.3965480	2532	3.4034637
2413	3.3825573	2453	3.3896975	2493	3.3967223	2533	3.4036352
2414	3.3827373	2454	3.3898746	2494	3.3968964	2534	3.4038066
2415	3.3829171	2455	3.3900515	2495	3.3970706	2535	3.4039780
2416	3.3830969	2456	3.3902284	2496	3.3972446	2536	3.4041492
2417	3.3832767	2457	3.3904052	2497	3.3974185	2537	3.4043205
2418	3.3834563	2458	3.3905819	2498	3.3975924	2538	3.4044916
2419	3.3836359	2459	3.3907585	2499	3.3977663	2539	3.4046627
2420	3.3838154	2460	3.3909351	2500	3.3979400	2540	3.4048337
2421	3.3839948	2461	3.3911116	2501	3.3981137	2541	3.4050047
2422	3.3841741	2462	3.3912880	2502	3.3982873	2542	3.4051755
2423	3.3843534	2463	3.3914644	2503	3.3984608	2543	3.4053464
2424	3.3845326	2464	3.3916407	2504	3.3986343	2544	3.4055171
2425	3.3847117	2465	3.3918169	2505	3.3988077	2545	3.4056878
2426	3.3848908	2466	3.3919931	2506	3.3989811	2546	3.4058584
2427	3.3850698	2467	3.3921691	2507	3.3991543	2547	3.4060289
2428	3.3852487	2468	3.3923452	2508	3.3993275	2548	3.4061994
2429	3.3854275	2469	3.3925211	2509	3.3995007	2549	3.4063698
2430	3.2856063	2470	3.3926970	2510	3.3996737	2550	3.4065402
2431	3.3857850	2471	3.3928727	2511	3.3998467	2551	3.4067105
2432	3.3859636	2472	3.3930485	2512	3.4000196	2552	3.4068807
2433	3.3861421	2473	3.3932241	2513	3.4001925	2553	3.4070508
2434	3.3863206	2474	3.3933997	2514	3.4003653	2554	3.4072209
2435	3.3864990	2475	3.3935752	2515	3.4005380	2555	3.4073909
2436	3.3866773	2476	3.3937506	2516	3.4007106	2556	3.4075608
2437	3.3868555	2477	3.3939260	2517	3.4008832	2557	3.4077307
2438	3.3870337	2478	3.3941013	2518	3.4010557	2558	3.4079005
2439	3.3872118	2479	3.3942765	2519	3.4012282	2559	3.4080703
2440	3.3873898	2480	3.3944517	2520	3.4014005	2560	3.4082400

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
2561	3.4084096	2601	3.4151404	2641	3.4217684	2681	3.4282968
2562	3.4085791	2602	3.4153073	2642	3.4219328	2682	3.4284588
2563	3.4087486	2603	3.4154742	2643	3.4220972	2683	3.4286207
2564	3.4089180	2604	3.4156410	2644	3.4222615	2684	3.4287825
2565	3.4090874	2605	3.4158077	2645	3.4224257	2685	3.4289443
2566	3.4092567	2606	3.4159744	2646	3.4225898	2686	3.4291060
2567	3.4094259	2607	3.4161410	2647	3.4227539	2687	3.4292677
2568	3.4095950	2608	3.4163076	2648	3.4229180	2688	3.4294293
2569	3.4097641	2609	3.4164741	2649	3.4230820	2689	3.4295908
2570	3.4099331	2610	3.4166405	2650	3.4232459	2690	3.4297523
2571	3.4101021	2611	3.4168069	2651	3.4234097	2691	3.4299137
2572	3.4102710	2612	3.4169732	2652	3.4235735	2692	3.4300751
2573	3.4104398	2613	3.4171394	2653	3.4237373	2693	3.4302364
2574	3.4106085	2614	3.4173056	2654	3.4239009	2694	3.4303976
2575	3.4107772	2615	3.4174717	2655	3.4240645	2695	3.4305588
2576	3.4109459	2616	3.4176377	2656	3.4242281	2696	3.4307199
2577	3.4111144	2617	3.4178037	2657	3.4243916	2697	3.4308809
2578	3.4112829	2618	3.4179696	2658	3.4245550	2698	3.4310419
2579	3.4114513	2619	3.4181355	2659	3.4247183	2699	3.4312029
2580	3.4116197	2620	3.4183013	2660	3.4248816	2700	3.4313638
2581	3.4117880	2621	3.4184670	2661	3.4250449	2701	3.4315246
2582	3.4119562	2622	3.4186327	2662	3.4252081	2702	3.4316853
2583	3.4121244	2623	3.4187983	2663	3.4253712	2703	3.4318460
2584	3.4122925	2624	3.4189638	2664	3.4255342	2704	3.4320067
2585	3.4124605	2625	3.4191293	2665	3.4256972	2705	3.4321673
2586	3.4126285	2626	3.4192947	2666	3.4258601	2706	3.4323278
2587	3.4127964	2627	3.4194601	2667	3.4260230	2707	3.4324883
2588	3.4129643	2628	3.4196254	2668	3.4261858	2708	3.4326487
2589	3.4131321	2629	3.4197906	2669	3.4263486	2709	3.4328090
2590	3.4132998	2630	3.4199557	2670	3.4265113	2710	3.4329693
2591	3.4134674	2631	3.4201208	2671	3.4266739	2711	3.4331295
2592	3.4136350	2632	3.4202859	2672	3.4268365	2712	3.4332897
2593	3.4138025	2633	3.4204509	2673	3.4269990	2713	3.4334498
2594	3.4139700	2634	3.4206158	2674	3.4271614	2714	3.4336098
2595	3.4141374	2635	3.4207806	2675	3.4273238	2715	3.4337698
2596	3.4143047	2636	3.4209454	2676	3.4274861	2716	3.4339298
2597	3.4144719	2637	3.4211101	2677	3.4276484	2717	3.4340896
2598	3.4146391	2638	3.4212748	2678	3.4278106	2718	3.4342495
2599	3.4148063	2639	3.4214394	2679	3.4279727	2719	3.4344092
2600	3.4149733	2640	3.4216039	2680	3.4281348	2720	3.4345689

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
2721	3.4347285	2761	3.4410664	2801	3.4473131	2841	3.4534712
2722	3.4348881	2762	3.4412237	2802	3.4474681	2842	3.4536241
2723	3.4350476	2763	3.4413809	2803	3.4476231	2843	3.4537769
2724	3.4352071	2764	3.4415380	2804	3.4477780	2844	3.4539296
2725	3.4353665	2765	3.4416951	2805	3.4479329	2845	3.4540823
2726	3.4355259	2766	3.4418522	2806	3.4480877	2846	3.4542349
2727	3.4356851	2767	3.4420092	2807	3.4482424	2847	3.4543875
2728	3 4358444	2768	3.4421661	2808	3.4483971	2848	3.4545400
2729	3.4360035	2769	3.4423230	2809	3.4485517	2849	3.4546924
2730	3.4361626	2770	3.4424798	2810	3.4487063	2850	3.4548449
2731	3.4363217	2771	3.4426365	2811	3.4488608	2851	3.4549972
2732	3.4364807	2772	3.4427932	2812	3.4490153	2852	3.4551495
2733	3.4366396	2773	3.4429499	2813	3.4491697	2853	3.4553018
2734	3.4367985	2774	3.4431065	2814	3.4493241	2854	3.4554540
2735	3.4369573	2775	3.4432630	2815	3.4494784	2855	3.4556061
2736	3.4371161	2776	3.4434195	2816	3.4496327	2856	3.4557582
2737	3.4372748	2777	3.4435759	2817	3.4497868	2857	3.4559102
2738	3.4374334	2778	3.4437322	2818	3.4499410	2858	3.4560622
2739	3.4375920	2779	3.4438885	2819	3.4500951	2859	3.4562142
2740	3.4377506	2780	3.4440448	2820	3.4502491	2860	3.4563660
2741	3.4379090	2781	3.4442010	2821	3.4504031	2861	3.4565179
2742	3.4380675	2782	3.4443571	2822	3.4505570	2862	3.4566696
2743	3.4382258	2783	3.4445132	2823	3.4507109	2863	3.4568213
2744	3.4383841	2784	3.4446692	2824	3.4508647	2864	3.4569730
2745	3.4385423	2785	3.4448252	2825	3.4510185	2865	3.4571246
2746	3.4387005	2786	3.4449811	2826	3.4511722	2866	3.4572762
2747	3.4388587	2787	3.4451370	2827	3.4513258	2867	3.4574277
2748	3.4390167	2788	3.4452928	2828	3.4514794	2868	3.4575791
2749	3.4391747	2789	3.4454485	2829	3.4516329	2869	3.4577305
2750	3.4393327	2790	3.4456042	2830	3.4517864	2870	3.4578819
2751	3.4394906	2791	3.4457598	2831	3.4519399	2871	3.4580332
2752	3.4396484	2792	3.4459154	2832	3.4520932	2872	3.4581844
2753	3.4398062	2793	3.4460709	2833	3.4522466	2873	3.4583356
2754	3.4399639	2794	3.4462264	2834	3.4523998	2874	3.4584868
2755	3.4401216	2795	3.4463818	2835	3.4525531	2875	3.4586378
2756	3.4402792	2796	3.4465372	2836	3.4527062	2876	3.4587889
2757	3.4404368	2797	3.4466925	2837	3.4528593	2877	3.4589399
2758	3.4405943	2798	3.4468477	2838	3.4530124	2878	3.4590908
2759	3.4407517	2799	3.4470029	2839	3.4531654	2879	3.4592417
2760	3.4409091	2800	3.4471580	2840	3.4533183	2880	3.4593925

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
2881	3.4595433	2921	3.4655316	2961	3.4714384	3001	3.4772660
2882	3.4596940	2922	3.4656802	2962	3.4715851	3002	3.4774107
2883	3.4598446	2923	3.4658288	2963	3.4717317	3003	3.4775553
2884	3.4599953	2924	3.4659774	2964	3.4718782	3004	3.4776999
2885	3.4601458	2925	3.4661259	2965	3.4720247	3005	3.4778445
2886	3.4602963	2926	3.4662743	2966	3.4721711	3006	3.4779890
2887	3.4604468	2927	3.4664227	2967	3.4723175	3007	3.4781334
2888	3.4605972	2928	3.4665711	2968	3.4724639	3008	3.4782778
2889	3.4607475	2929	3.4667194	2969	3.4726102	3009	3.4784222
2890	3.4608978	2930	3.4668676	2970	3.4727564	3010	3.4785665
2891	3.4610481	2931	3.4670158	2971	3.4729027	3011	3.4787108
2892	3.4611983	2932	3.4671640	2972	3.4730488	3012	3.4788550
2893	3.4613484	2933	3.4673121	2973	3.4731949	3013	3.4789991
2894	3.4614985	2934	3.4674601	2974	3.4733410	3014	3.4791432
2895	3.4616486	2935	3.4676081	2975	3.4734870	3015	3.4792873
2896	3.4617986	2936	3.4677561	2976	3.4736329	3016	3.4794313
2897	3.4619485	2937	3.4679039	2977	3.4737788	3017	3.4795753
2898	3.4620984	2938	3.4680518	2978	3.4739247	3018	3.4797192
2899	3.4622482	2939	3.4681996	2979	3.4740705	3019	3.4798631
2900	3.4623980	2940	3.4683473	2980	3.4742163	3020	3.4800069
2901	3.4625477	2941	3.4684950	2981	3.4743620	3021	3.4801507
2902	3.4626974	2942	3.4686427	2982	3.4745076	3022	3.4802945
2903	3.4628470	2943	3.4687903	2983	3.4746533	3023	3.4804381
2904	3.4629966	2944	3.4689378	2984	3.4747988	3024	3.4805818
2905	3.4631461	2945	3.4690853	2985	3.4749443	3025	3.4807254
2906	3.4632956	2946	3.4692327	2986	3.4750898	3026	3.4808689
2907	3.4634450	2947	3.4693801	2987	3.4752352	3027	3.4810124
2908	3.4635944	2948	3.4695275	2988	3.4753806	3028	3.4811559
2909	3.4637437	2949	3.4696748	2989	3.4755259	3029	3.4812993
2910	3.4638930	2950	3.4698220	2990	3.4756712	3030	3.4814426
2911	3.4640422	2951	3.4699692	2991	3.4758164	3031	3.4815859
2912	3.4641914	2952	3.4701164	2992	3.4759616	3032	3.4817292
2913	3.4643405	2953	3.4702634	2993	3.4761067	3033	3.4818724
2914	3.4644895	2954	3.4704105	2994	3.4762518	3034	3.4820156
2915	3.4646386	2955	3.4705575	2995	3.4763968	3035	3.4821587
2916	3.4647875	2956	3.4707044	2996	3.4765418	3036	3.4823018
2917	3.4649364	2957	3.4708513	2997	3.4766867	3037	3.4824448
2918	3.4650853	2958	3.4709982	2998	3.4768316	3038	3.4825878
2919	3.4652341	2959	3.4711450	2999	3.4769765	3039	3.4827307
2920	3.4653829	2960	3.4712917	3000	3.4771213	3040	3.4828736

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
3041	3.4830164	3081	3.4886917	3121	3.4942938	3161	3.4998245
3042	3.4831592	3082	3.4888326	3122	3.4944329	3162	3.4999619
3043	3.4833020	3083	3.4889735	3123	3.4945720	3163	3.5000992
3044	3.4834446	3084	3.4891144	3124	3.4947110	3164	3.5002365
3045	3.4835873	3085	3.4892552	3125	3.4948500	3165	3.5003737
3046	3.4837299	3086	3.4893959	3126	3.4949890	3166	3.5005109
3047	3.4838725	3087	3.4895366	3127	3.4951279	3167	3.5006481
3048	3.4840150	3088	3.4896773	3128	3.4952667	3168	3.5007852
3049	3.4841574	3089	3.4898179	3129	3.4954056	3169	3.5009222
3050	3.4842998	3090	3.4899585	3130	3.4955443	3170	3.5010593
3051	3.4844422	3091	3.4900990	3131	3.4956831	3171	3.5011962
3052	3.4845845	3092	3.4902395	3132	3.4958218	3172	3.5013332
3053	3.4847268	3093	3.4903799	3133	3.4959604	3173	3.5014701
3054	3.4848690	3094	3.4905203	3134	3.4960990	3174	3.5016069
3055	3.4850112	3095	3.4906607	3135	3.4962375	3175	3.5017437
3056	3.4851533	3096	3.4908010	3136	3.4963761	3176	3.5018805
3057	3.4852954	3097	3.4909412	3137	3.4965145	3177	3.5020172
3058	3.4854375	3098	3.4910814	3138	3.4966529	3178	3.5021539
3059	3.4855795	3099	3.4912216	3139	3.4967913	3179	3.5022905
3060	3.4857214	3100	3.4913617	3140	3.4969296	3180	3.5024271
3061	3.4858633	3101	3.4915018	3141	3.4970679	3181	3.5025637
3062	3.4860052	3102	3.4916418	3142	3.4972062	3182	3.5027002
3063	3.4861470	3103	3.4917818	3143	3.4973444	3183	3.5028366
3064	3.4862888	3104	3.4919217	3144	3.4974825	3184	3.5029731
3065	3.4864305	3105	3.4920616	3145	3.4976206	3185	3.5031094
3066	3.4865722	3106	3.4922015	3146	3.4977587	3186	3.5032458
3067	3.4867138	3107	3.4923413	3147	3.4978967	3187	3.5033821
3068	3.4868554	3108	3.4924810	3148	3.4980347	3188	3.5035183
3069	3.4869969	3109	3.4926207	3149	3.4981727	3189	3.5036545
3070	3.4871384	3110	3.4927604	3150	3.4983106	3190	3.5037907
3071	3.4872798	3111	3.4929000	3151	3.4984484	3191	3.5039268
3072	3.4874212	3112	3.4930396	3152	3.4985862	3192	3.5040629
3073	3.4875626	3113	3.4931791	3153	3.4987240	3193	3.5041989
3074	3.4877039	3114	3.4933186	3154	3.4988617	3194	3.5043349
3075	3.4878451	3115	3.4934581	3155	3.4989994	3195	3.5044709
3076	3.4879863	3116	3.4935974	3156	3.4991370	3196	3.5046068
3077	3.4881275	3117	3.4937368	3157	3.4992746	3197	3.5047426
3078	3.4882686	3118	3.4938761	3158	3.4994121	3198	3.5048785
3079	3.4884097	3119	3.4940154	3159	3.4995496	3199	3.5050142
3080	3.4885507	3120	3.4941546	3160	3.4996871	3200	3.5051500

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
3201	3.5052857	3241	3.5106790	3281	3.5160062	3321	3.5212689
3202	3.5054213	3242	3.5108130	3282	3.5161386	3322	3.5213996
3203	3.5055569	3243	3.5109469	3283	3.5162709	3323	3.5215303
3204	3.5056925	3244	3.5110808	3284	3.5164031	3324	3.5216610
3205	3.5058280	3245	3.5112147	3285	3.5165354	3325	3.5217916
3206	3.5059635	3246	3.5113485	3286	3.5166676	3326	3.5219222
3207	3.5060990	3247	3.5114823	3287	3.5167997	3327	3.5220528
3208	3.5062344	3248	3.5116160	3288	3.5169318	3328	3.5221833
3209	3.5063697	3249	3.5117497	3289	3.5170639	3329	3.5223138
3210	3.5065050	3250	3.5118834	3290	3.5171959	3330	3.5224442
3211	3.5066403	3251	3.5120170	3291	3.5173279	3331	3.5225746
3212	3.5067755	3252	3.5121505	3292	3.5174598	3332	3.5227050
3213	3.5069107	3253	3.5122841	3293	3.5175917	3333	3.5228353
3214	3.5070459	3254	3.5124175	3294	3.5177236	3334	3.5229656
3215	3.5071810	3255	3.5125510	3295	3.5178554	3335	3.5230958
3216	3.5073160	3256	3.5126844	3296	3.5179872	3336	3.5232260
3217	3.5074511	3257	3.5128178	3297	3.5181189	3337	3.5233562
3218	3.5075860	3258	3.5129511	3298	3.5182507	3338	3.5234863
3219	3.5077210	3259	3.5130844	3299	3.5183823	3339	3.5236164
3220	3.5078559	3260	3.5132176	3300	3.5185139	3340	3.5237465
3221	3.5079907	3261	3.5133508	3301	3.5186455	3341	3.5238765
3222	3.5081255	3262	3.5134840	3302	3.5187771	3342	3.5240064
3223	3.5082603	3263	3.5136171	3303	3.5189086	3343	3.5241364
3224	3.5083950	3264	3.5137502	3304	3.5190400	3344	3.5242663
3225	3.5085297	3265	3.5138832	3305	3.5191715	3345	3.5243961
3226	3.5086644	3266	3.5140162	3306	3.5193028	3346	3.5245259
3227	3.5087990	3267	3.5141491	3307	3.5194342	3347	3.5246557
3228	3.5089335	3268	3.5142820	3308	3.5195655	3348	3.5247854
3229	3.5090680	3269	3.5144149	3309	3.5196968	3349	3.5249151
3230	3.5092025	3270	3.5145478	3310	3.5198280	3350	3.5250448
3231	3.5093370	3271	3.5146805	3311	3.5199592	3351	3.5251744
3232	3.5094714	3272	3.5148133	3312	3.5200903	3352	3.5253040
3233	3.5096057	3273	3.5149460	3313	3.5202214	3353	3.5254336
3234	3.5097400	3274	3.5150787	3314	3.5203525	3354	3.5255631
3235	3.5098743	3275	3.5152113	3315	3.5204835	3355	3.5256925
3236	3.5100085	3276	3.5153439	3316	3.5206145	3356	3.5258220
3237	3.5101427	3277	3.5154764	3317	3.5207455	3357	3.5259513
3238	3.5102768	3278	3.5156089	3318	3.5208764	3358	3.5260807
3239	3.5104109	3279	3.5157414	3319	3.5210073	3359	3.5262100
3240	3.5105450	3280	3.5158738	3320	3.5211381	3360	3.5263393

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
3361	3·5264685	3401	3·5316066	3441	3·5366847	3481	3·5417040
3362	3·5265977	3402	3·5317343	3442	3·5368109	3482	3·5418288
3363	3·5267269	3403	3·5318619	3443	3·5369370	3483	3·5419535
3364	3·5268560	3404	3·5319896	3444	3·5370631	3484	3·5420781
3365	3·5269851	3405	3·5321171	3445	3·5371892	3485	3·5422028
3366	3·5271141	3406	3·5322446	3446	3·5373153	3486	3·5423274
3367	3·5272431	3407	3·5323721	3447	3·5374413	3487	3·5424519
3368	3·5273721	3408	3·5324996	3448	3·5375673	3488	3·5425765
3369	3·5275010	3409	3·5326270	3449	3·5376932	3489	3·5427010
3370	3·5276299	3410	3·5327544	3450	3·5378191	3490	3·5428254
3371	3·5277588	3411	3·5328817	3451	3·5379450	3491	3·5429498
3372	3·5278876	3412	3·5330090	3452	3·5380708	3492	3·5430742
3373	3·5280163	3413	3·5331363	3453	3·5381966	3493	3·5431986
3374	3·5281451	3414	3·5332635	3454	3·5383223	3494	3·5433229
3375	3·5282738	3415	3·5333907	3455	3·5384481	3495	3·5434472
3376	3·5284024	3416	3·5335179	3456	3·5385737	3496	3·5435714
3377	3·5285311	3417	3·5336450	3457	3·5386994	3497	3·5436956
3378	3·5286596	3418	3·5337721	3458	3·5388250	3498	3·5438198
3379	3·5287882	3419	3·5338991	3459	3·5389506	3499	3·5439439
3380	3·5289167	3420	3·5340261	3460	3·5390761	3500	3·5440680
3381	3·5290452	3421	3·5341531	3461	3·5392016	3501	3·5441921
3382	3·5291736	3422	3·5342800	3462	3·5393271	3502	3·5443161
3383	3·5293020	3423	3·5344069	3463	3·5394525	3503	3·5444401
3384	3·5294304	3424	3·5345338	3464	3·5395779	3504	3·5445641
3385	3·5295587	3425	3·5346606	3465	3·5397032	3505	3·5446880
3386	3·5296870	3426	3·5347874	3466	3·5398286	3506	3·5448119
3387	3·5298152	3427	3·5349141	3467	3·5399538	3507	3·5449358
3388	3·5299434	3428	3·5350408	3468	3·5400791	3508	3·5450596
3389	3·5300716	3429	3·5351675	3469	3·5402043	3509	3·5451834
3390	3·5301997	3430	3·5352941	3470	3·5403295	3510	3·5453071
3391	3·5303278	3431	3·5354207	3471	3·5404546	3511	3·5454308
3392	3·5304558	3432	3·5355473	3472	3·5405797	3512	3·5455545
3393	3·5305839	3433	3·5356738	3473	3·5407048	3513	3·5456781
3394	3·5307118	3434	3·5358003	3474	3·5408298	3514	3·5458018
3395	3·5308398	3435	3·5359267	3475	3·5409548	3515	3·5459253
3396	3·5309677	3436	3·5360532	3476	3·5410798	3516	3·5460489
3397	3·5310955	3437	3·5361795	3477	3·5412047	3517	3·5461724
3398	3·5312234	3438	3·5363059	3478	3·5413296	3518	3·5462958
3399	3·5313512	3439	3·5364322	3479	3·5414544	3519	3·5464193
3400	3·5314789	3440	3·5365584	3480	3·5415792	3520	3·5465427

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
3521	3·5466660	3561	3·5515720	3601	3·5564231	3641	3·5612207
3522	3·5467894	3562	3·5516939	3602	3·5565437	3642	3·5613399
3523	3·5469126	3563	3·5518158	3603	3·5566643	3643	3·5614592
3524	3·5470359	3564	3·5519377	3604	3·5567848	3644	3·5615784
3525	3·5471591	3565	3·5520595	3605	3·5569053	3645	3·5616975
3526	3·5472823	3566	3·5521813	3606	3·5570257	3646	3·5618167
3527	3·5474055	3567	3·5523031	3607	3·5571461	3647	3·5619358
3528	3·5475286	3568	3·5524248	3608	3·5572665	3648	3·5620548
3529	3·5476517	3569	3·5525465	3609	3·5573869	3649	3·5621739
3530	3·5477747	3570	3·5526682	3610	3·5575072	3650	3·5622929
3531	3·5478977	3571	3·5527899	3611	3·5576275	3651	3·5624118
3532	3·5480207	3572	3·5529115	3612	3·5577477	3652	3·5625308
3533	3·5481436	3573	3·5530330	3613	3·5578680	3653	3·5626497
3534	3·5482665	3574	3·5531545	3614	3·5579881	3654	3·5627685
3535	3·5483894	3575	3·5532760	3615	3·5581083	3655	3·5628874
3536	3·5485123	3576	3·5533975	3616	3·5582284	3656	3·5630062
3537	3·5486351	3577	3·5535189	3617	3·5583485	3657	3·5631250
3538	3·5487578	3578	3·5536403	3618	3·5584686	3658	3·5632437
3539	3·5488806	3579	3·5537617	3619	3·5585886	3659	3·5633624
3540	3·5490033	3580	3·5538830	3620	3·5587086	3660	3·5634811
3541	3·5491259	3581	3·5540043	3621	3·5588285	3661	3·5635997
3542	3·5492486	3582	3·5541256	3622	3·5589484	3662	3·5637183
3543	3·5493712	3583	3·5542468	3623	3·5590683	3663	3·5638369
3544	3·5494937	3584	3·5543680	3624	3·5591882	3664	3·5639555
3545	3·5496162	3585	3·5544892	3625	3·5593080	3665	3·5640740
3546	3·5497387	3586	3·5546103	3626	3·5594278	3666	3·5641925
3547	3·5498612	3587	3·5547314	3627	3·5595476	3667	3·5643109
3548	3·5499836	3588	3·5548524	3628	3·5596673	3668	3·5644293
3549	3·5501060	3589	3·5549735	3629	3·5597870	3669	3·5645477
3550	3·5502284	3590	3·5550944	3630	3·5599066	3670	3·5646661
3551	3·5503507	3591	3·5552154	3631	3·5600262	3671	3·5647844
3552	3·5504730	3592	3·5553363	3632	3·5601458	3672	3·5649027
3553	3·5505952	3593	3·5554572	3633	3·5602654	3673	3·5650209
3554	3·5507174	3594	3·5555781	3634	3·5603849	3674	3·5651392
3555	3·5508396	3595	3·5556989	3635	3·5605044	3675	3·5652573
3556	3·5509618	3596	3·5558197	3636	3·5606239	3676	3·5653755
3557	3·5510839	3597	3·5559404	3637	3·5607433	3677	3·5654936
3558	3·5512059	3598	3·5560612	3638	3·5608627	3678	3·5656117
3559	3·5513280	3599	3·5561818	3639	3·5609821	3679	3·5657298
3560	3·5514500	3600	3·5563025	3640	3·5611014	3680	3·5658478

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
3681	3.5659658	3721	3.5706597	3761	3.5753033	3801	3.5798979
3682	3.5660838	3722	3.5707764	3762	3.5754188	3802	3.5800121
3683	3.5662017	3723	3.5708930	3763	3.5755342	3803	3.5801263
3684	3.5663196	3724	3.5710097	3764	3.5756496	3804	3.5802405
3685	3.5664375	3725	3.5711263	3765	3.5757650	3805	3.5803547
3686	3.5665553	3726	3.5712429	3766	3.5758803	3806	3.5804688
3687	3.5666731	3727	3.5713594	3767	3.5759956	3807	3.5805829
3688	3.5667909	3728	3.5714759	3768	3.5761109	3808	3.5806969
3689	3.5669087	3729	3.5715924	3769	3.5762261	3809	3.5808110
3690	3.5670264	3730	3.5717088	3770	3.5763414	3810	3.5809250
3691	3.5671440	3731	3.5718252	3771	3.5764565	3811	3.5810389
3692	3.5672617	3732	3.5719416	3772	3.5765717	3812	3.5811529
3693	3.5673793	3733	3.5720580	3773	3.5766868	3813	3.5812668
3694	3.5674969	3734	3.5721743	3774	3.5768019	3814	3.5813807
3695	3.5676144	3735	3.5722906	3775	3.5769170	3815	3.5814945
3696	3.5677320	3736	3.5724069	3776	3.5770320	3816	3.5816084
3697	3.5678495	3737	3.5725231	3777	3.5771470	3817	3.5817222
3698	3.5679669	3738	3.5726393	3778	3.5772620	3818	3.5818359
3699	3.5680843	3739	3.5727555	3779	3.5773769	3819	3.5819497
3700	3.5682017	3740	3.5728716	3780	3.5774918	3820	3.5820634
3701	3.5683191	3741	3.5729877	3781	3.5776067	3821	3.5821770
3702	3.5684364	3742	3.5731038	3782	3.5777215	3822	3.5822907
3703	3.5685537	3743	3.5732198	3783	3.5778363	3823	3.5824043
3704	3.5686710	3744	3.5733358	3784	3.5779511	3824	3.5825179
3705	3.5687882	3745	3.5734518	3785	3.5780659	3825	3.5826314
3706	3.5689054	3746	3.5735678	3786	3.5781806	3826	3.5827450
3707	3.5690226	3747	3.5736837	3787	3.5782953	3827	3.5828585
3708	3.5691397	3748	3.5737996	3788	3.5784100	3828	3.5829719
3709	3.5692568	3749	3.5739154	3789	3.5785246	3829	3.5830854
3710	3.5693739	3750	3.5740313	3790	3.5786392	3830	3.5831988
3711	3.5694910	3751	3.5741471	3791	3.5787538	3831	3.5833122
3712	3.5696080	3752	3.5742628	3792	3.5788683	3832	3.5834255
3713	3.5697249	3753	3.5743786	3793	3.5789828	3833	3.5835388
3714	3.5698419	3754	3.5744943	3794	3.5790973	3834	3.5836521
3715	3.5699588	3755	3.5746099	3795	3.5792118	3835	3.5837654
3716	3.5700757	3756	3.5747256	3796	3.5793262	3836	3.5838786
3717	3.5701926	3757	3.5748412	3797	3.5794406	3837	3.5839918
3718	3.5703094	3758	3.5749568	3798	3.5795550	3838	3.5841050
3719	3.5704262	3759	3.5750723	3799	3.5796693	3839	3.5842181
3720	3.5705429	3760	3.5751878	3800	3.5797836	3840	3.5843312

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
3841	3.5844443	3881	3.5889436	3921	3.5933968	3961	3.5978048
3842	3.5845574	3882	3.5890555	3922	3.5935076	3962	3.5979145
3843	3.5846704	3883	3.5891674	3923	3.5936183	3963	3.5980241
3844	3.5847834	3884	3.5892792	3924	3.5937290	3964	3.5981336
3845	3.5848963	3885	3.5893910	3925	3.5938397	3965	3.5982432
3846	3.5850093	3886	3.5895028	3926	3.5939503	3966	3.5983527
3847	3.5851222	3887	3.5896145	3927	3.5940609	3967	3.5984622
3848	3.5852351	3888	3.5897263	3928	3.5941715	3968	3.5985717
3849	3.5853479	3889	3.5898379	3929	3.5942820	3969	3.5986811
3850	3.5854607	3890	3.5899496	3930	3.5943926	3970	3.5987905
3851	3.5855735	3891	3.5900612	3931	3.5945030	3971	3.5988999
3852	3.5856863	3892	3.5901728	3932	3.5946135	3972	3.5990092
3853	3.5857990	3893	3.5902844	3933	3.5947239	3973	3.5991186
3854	3.5859117	3894	3.5903959	3934	3.5948344	3974	3.5992279
3855	3.5860244	3895	3.5905075	3935	3.5949447	3975	3.5993371
3856	3.5861370	3896	3.5906189	3936	3.5950551	3976	3.5994464
3857	3.5862496	3897	3.5907304	3937	3.5951654	3977	3.5995556
3858	3.5863622	3898	3.5908418	3938	3.5952757	3978	3.5996648
3859	3.5864748	3899	3.5909532	3939	3.5953860	3979	3.5997739
3860	3.5865873	3900	3.5910646	3940	3.5954962	3980	3.5998831
3861	3.5866998	3901	3.5911760	3941	3.5956064	3981	3.5999922
3862	3.5868123	3902	3.5912873	3942	3.5957166	3982	3.6001013
3863	3.5869247	3903	3.5913986	3943	3.5958268	3983	3.6002103
3864	3.5870371	3904	3.5915098	3944	3.5959369	3984	3.6003193
3865	3.5871495	3905	3.5916210	3945	3.5960470	3985	3.6004283
3866	3.5872618	3906	3.5917322	3946	3.5961571	3986	3.6005373
3867	3.5873742	3907	3.5918434	3947	3.5962671	3987	3.6006462
3868	3.5874865	3908	3.5919546	3948	3.5963771	3988	3.6007551
3869	3.5875987	3909	3.5920657	3949	3.5964871	3989	3.6008640
3870	3.5877110	3910	3.5921768	3950	3.5965971	3990	3.6009729
3871	3.5878232	3911	3.5922878	3951	3.5967070	3991	3.6010817
3872	3.5879353	3912	3.5923988	3952	3.5968169	3992	3.6011905
3873	3.5880475	3913	3.5925098	3953	3.5969268	3993	3.6012993
3874	3.5881596	3914	3.5926208	3954	3.5970367	3994	3.6014081
3875	3.5882717	3915	3.5927318	3955	3.5971465	3995	3.6015168
3876	3.5883838	3916	3.5928427	3956	3.5972563	3996	3.6016255
3877	3.5884958	3917	3.5929536	3957	3.5973661	3997	3.6017341
3878	3.5886078	3918	3.5930644	3958	3.5974758	3998	3.6018428
3879	3.5887198	3919	3.5931753	3959	3.5975855	3999	3.6019514
3880	3.5888317	3920	3.5932861	3960	3.5976952	4000	3.6020600

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
4001	3.6021686	4041	3.6064889	4081	3.6107666	4121	3.6150026
4002	3.6022771	4042	3.6065963	4082	3.6108730	4122	3.6151080
4003	3.6023856	4043	3.6067037	4083	3.6109794	4123	3.6152133
4004	3.6024941	4044	3.6068111	4084	3.6110857	4124	3.6153187
4005	3.6026025	4045	3.6069185	4085	3.6111921	4125	3.6154240
4006	3.6027109	4046	3.6070259	4086	3.6112984	4126	3.6155292
4007	3.6028193	4047	3.6071332	4087	3.6114046	4127	3.6156345
4008	3.6029277	4048	3.6072405	4088	3.6115109	4128	3.6157397
4009	3.6030361	4049	3.6073478	4089	3.6116171	4129	3.6158449
4010	3.6031444	4050	3.6074550	4090	3.6117233	4130	3.6159501
4011	3.6032527	4051	3.6075622	4091	3.6118295	4131	3.6160552
4012	3.6033609	4052	3.6076694	4092	3.6119356	4132	3.6161603
4013	3.6034692	4053	3.6077766	4093	3.6120417	4133	3.6162654
4014	3.6035774	4054	3.6078837	4094	3.6121478	4134	3.6163705
4015	3.6036855	4055	3.6079909	4095	3.6122539	4135	3.6164755
4016	3.6037937	4056	3.6080979	4096	3.6123599	4136	3.6165805
4017	3.6039019	4057	3.6082050	4097	3.6124660	4137	3.6166855
4018	3.6040099	4058	3.6083120	4098	3.6125720	4138	3.6167905
4019	3.6041180	4059	3.6084191	4099	3.6126779	4139	3.6168954
4020	3.6042261	4060	3.6085260	4100	3.6127839	4140	3.6170003
4021	3.6043341	4061	3.6086330	4101	3.6128898	4141	3.6171052
4022	3.6044421	4062	3.6087399	4102	3.6129957	4142	3.6172101
4023	3.6045500	4063	3.6088468	4103	3.6131015	4143	3.6173149
4024	3.6046580	4064	3.6089537	4104	3.6132074	4144	3.6174197
4025	3.6047659	4065	3.6090605	4105	3.6133132	4145	3.6175245
4026	3.6048738	4066	3.6091674	4106	3.6134189	4146	3.6176293
4027	3.6049816	4067	3.6092742	4107	3.6135247	4147	3.6177340
4028	3.6050895	4068	3.6093809	4108	3.6136304	4148	3.6178387
4029	3.6051973	4069	3.6094877	4109	3.6137361	4149	3.6179434
4030	3.6053050	4070	3.6095944	4110	3.6138418	4150	3.6180481
4031	3.6054128	4071	3.6097011	4111	3.6139475	4151	3.6181527
4032	3.6055205	4072	3.6098078	4112	3.6140531	4152	3.6182573
4033	3.6056282	4073	3.6099144	4113	3.6141587	4153	3.6183619
4034	3.6057359	4074	3.6100210	4114	3.6142643	4154	3.6184665
4035	3.6058435	4075	3.6101276	4115	3.6143698	4155	3.6185710
4036	3.6059512	4076	3.6102342	4116	3.6144754	4156	3.6186755
4037	3.6060587	4077	3.6103407	4117	3.6145809	4157	3.6187800
4038	3.6061663	4078	3.6104472	4118	3.6146863	4158	3.6188845
4039	3.6062739	4079	3.6105537	4119	3.6147918	4159	3.6189889
4040	3.6063814	4080	3.6106602	4120	3.6148972	4160	3.6190933

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
4161	3.6191977	4201	3.6233527	4241	3.6274683	4281	3.6315452
4162	3.6193021	4202	3.6234560	4242	3.6275707	4282	3.6316467
4163	3.6194064	4203	3.6235594	4243	3.6276730	4283	3.6317481
4164	3.6195107	4204	3.6236627	4244	3.6277754	4284	3.6318495
4165	3.6196150	4205	3.6237660	4245	3.6278777	4285	3.6319508
4166	3.6197193	4206	3.6238693	4246	3.6279800	4286	3.6320522
4167	3.6198235	4207	3.6239725	4247	3.6280823	4287	3.6321535
4168	3.6199277	4208	3.6240757	4248	3.6281845	4288	3.6322548
4169	3.6200319	4209	3.6241789	4249	3.6282867	4289	3.6323560
4170	3.6201361	4210	3.6242821	4250	3.6283889	4290	3.6324573
4171	3.6202402	4211	3.6243852	4251	3.6284911	4291	3.6325585
4172	3.6203443	4212	3.6244884	4252	3.6285933	4292	3.6326597
4173	3.6204484	4213	3.6245915	4253	3.6286954	4293	3.6327609
4174	3.6205524	4214	3.6246945	4254	3.6287975	4294	3.6328620
4175	3.6206565	4215	3.6247976	4255	3.6288996	4295	3.6329632
4176	3.6207605	4216	3.6249006	4256	3.6290016	4296	3.6330643
4177	3.6208645	4217	3.6250036	4257	3.6291037	4297	3.6331654
4178	3.6209684	4218	3.6251066	4258	3.6292057	4298	3.6332664
4179	3.6210724	4219	3.6252095	4259	3.6293076	4299	3.6333674
4180	3.6211763	4220	3.6253125	4260	3.6294096	4300	3.6334685
4181	3.6212802	4221	3.6254154	4261	3.6295115	4301	3.6335694
4182	3.6213840	4222	3.6255182	4262	3.6296134	4302	3.6336704
4183	3.6214879	4223	3.6256211	4263	3.6297153	4303	3.6337713
4184	3.6215917	4224	3.6257239	4264	3.6298172	4304	3.6338723
4185	3.6216955	4225	3.6258267	4265	3.6299190	4305	3.6339732
4186	3.6217992	4226	3.6259295	4266	3.6300209	4306	3.6340740
4187	3.6219030	4227	3.6260322	4267	3.6301226	4307	3.6341749
4188	3.6220067	4228	3.6261350	4268	3.6302244	4308	3.6342757
4189	3.6221104	4229	3.6262377	4269	3.6303262	4309	3.6343765
4190	3.6222140	4230	3.6263404	4270	3.6304279	4310	3.6344773
4191	3.6223177	4231	3.6264430	4271	3.6305296	4311	3.6345780
4192	3.6224213	4232	3.6265457	4272	3.6306312	4312	3.6346788
4193	3.6225249	4233	3.6266483	4273	3.6307329	4313	3.6347795
4194	3.6226284	4234	3.6267509	4274	3.6308345	4314	3.6348801
4195	3.6227320	4235	3.6268534	4275	3.6309361	4315	3.6349808
4196	3.6228355	4236	3.6269560	4276	3.6310377	4316	3.6350814
4197	3.6229390	4237	3.6270585	4277	3.6311393	4317	3.6351820
4198	3.6230424	4238	3.6271610	4278	3.6312408	4318	3.6352826
4199	3.6231459	4239	3.6272634	4279	3.6313423	4319	3.6353832
4200	3.6232493	4240	3.6273659	4280	3.6314438	4320	3.6354837

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
4321	3.6355843	4361	3.6395861	4401	3.6435514	4441	3.6474808
4322	3.6356848	4362	3.6396857	4402	3.6436500	4442	3.6475786
4323	3.6357852	4363	3.6397852	4403	3.6437487	4443	3.6476763
4324	3.6358857	4364	3.6398847	4404	3.6438473	4444	3.6477741
4325	3.6359861	4365	3.6399842	4405	3.6439459	4445	3.6478718
4326	3.6360865	4366	3.6400837	4406	3.6440445	4446	3.6479695
4327	3.6361869	4367	3.6401832	4407	3.6441431	4447	3.6480671
4328	3.6362873	4368	3.6402826	4408	3.6442416	4448	3.6481648
4329	3.6363876	4369	3.6403820	4409	3.6443401	4449	3.6482624
4330	3.6364879	4370	3.6404814	4410	3.6444386	4450	3.6483600
4331	3.6365882	4371	3.6405808	4411	3.6445371	4451	3.6484576
4332	3.6366884	4372	3.6406802	4412	3.6446355	4452	3.6485552
4333	3.6367887	4373	3.6407795	4413	3.6447339	4453	3.6486527
4334	3.6368889	4374	3.6408788	4414	3.6448323	4454	3.6487502
4335	3.6369891	4375	3.6409781	4415	3.6449307	4455	3.6488477
4336	3.6370893	4376	3.6410773	4416	3.6450291	4456	3.6489452
4337	3.6371894	4377	3.6411765	4417	3.6451274	4457	3.6490426
4338	3.6372895	4378	3.6412758	4418	3.6452257	4458	3.6491401
4339	3.6373897	4379	3.6413749	4419	3.6453240	4459	3.6492375
4340	3.6374897	4380	3.6414741	4420	3.6454223	4460	3.6493349
4341	3.6375898	4381	3.6415733	4421	3.6455205	4461	3.6494322
4342	3.6376898	4382	3.6416724	4422	3.6456187	4462	3.6495296
4343	3.6377898	4383	3.6417715	4423	3.6457169	4463	3.6496269
4344	3.6378898	4384	3.6418705	4424	3.6458151	4464	3.6497242
4345	3.6379898	4385	3.6419696	4425	3.6459133	4465	3.6498215
4346	3.6380897	4386	3.6420686	4426	3.6460114	4466	3.6499187
4347	3.6381896	4387	3.6421676	4427	3.6461095	4467	3.6500160
4348	3.6382895	4388	3.6422666	4428	3.6462076	4468	3.6501132
4349	3.6383894	4389	3.6423656	4429	3.6463057	4469	3.6502104
4350	3.6384893	4390	3.6424645	4430	3.6464037	4470	3.6503075
4351	3.6385891	4391	3.6425634	4431	3.6465018	4471	3.6504047
4352	3.6386889	4392	3.6426623	4432	3.6465998	4472	3.6505018
4353	3.6387887	4393	3.6427612	4433	3.6466977	4473	3.6505989
4354	3.6388884	4394	3.6428601	4434	3.6467957	4474	3.6506960
4355	3.6389882	4395	3.6429589	4435	3.6468936	4475	3.6507930
4356	3.6390879	4396	3.6430577	4436	3.6469915	4476	3.6508901
4357	3.6391876	4397	3.6431565	4437	3.6470894	4477	3.6509871
4358	3.6392872	4398	3.6432552	4438	3.6471873	4478	3.6510841
4359	3.6393869	4399	3.6433540	4439	3.6472851	4479	3.6511811
4360	3.6394865	4400	3.6434527	4440	3.6473830	4480	3.6512780

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
4481	3.6513749	4521	3.6552345	4561	3.6590601	4601	3.6628522
4482	3.6514719	4522	3.6553306	4562	3.6591553	4602	3.6629466
4483	3.6515687	4523	3.6554266	4563	3.6592505	4603	3.6630410
4484	3.6516656	4524	3.6555226	4564	3.6593456	4604	3.6631353
4485	3.6517624	4525	3.6556186	4565	3.6594408	4605	3.6632296
4486	3.6518593	4526	3.6557145	4566	3.6595359	4606	3.6633239
4487	3.6519561	4527	3.6558105	4567	3.6596310	4607	3.6634182
4488	3.6520528	4528	3.6559064	4568	3.6597261	4608	3.6635125
4489	3.6521496	4529	3.6560023	4569	3.6598212	4609	3.6636067
4490	3.6522463	4530	3.6560982	4570	3.6599162	4610	3.6637009
4491	3.6523431	4531	3.6561941	4571	3.6600112	4611	3.6637951
4492	3.6524397	4532	3.6562899	4572	3.6601062	4612	3.6638893
4493	3.6525364	4533	3.6563857	4573	3.6602012	4613	3.6639835
4494	3.6526331	4534	3.6564815	4574	3.6602962	4614	3.6640776
4495	3.6527297	4535	3.6565773	4575	3.6603911	4615	3.6641717
4496	3.6528263	4536	3.6566730	4576	3.6604860	4616	3.6642658
4497	3.6529229	4537	3.6567688	4577	3.6605809	4617	3.6643599
4498	3.6530195	4538	3.6568645	4578	3.6606758	4618	3.6644539
4499	3.6531160	4539	3.6569602	4579	3.6607706	4619	3.6645480
4500	3.6532125	4540	3.6570559	4580	3.6608655	4620	3.6646420
4501	3.6533090	4541	3.6571515	4581	3.6609603	4621	3.6647360
4502	3.6534055	4542	3.6572471	4582	3.6610551	4622	3.6648299
4503	3.6535019	4543	3.6573427	4583	3.6611499	4623	3.6649239
4504	3.6535984	4544	3.6574383	4584	3.6612446	4624	3.6650178
4505	3.6536948	4545	3.6575339	4585	3.6613393	4625	3.6651117
4506	3.6537912	4546	3.6576294	4586	3.6614341	4626	3.6652056
4507	3.6538876	4547	3.6577250	4587	3.6615287	4627	3.6652995
4508	3.6539839	4548	3.6578205	4588	3.6616234	4628	3.6653934
4509	3.6540802	4549	3.6579159	4589	3.6617181	4629	3.6654872
4510	3.6541765	4550	3.6580114	4590	3.6618127	4630	3.6655810
4511	3.6542728	4551	3.6581068	4591	3.6619073	4631	3.6656748
4512	3.6543691	4552	3.6582023	4592	3.6620019	4632	3.6657686
4513	3.6544653	4553	3.6582977	4593	3.6620964	4633	3.6658623
4514	3.6545616	4554	3.6583930	4594	3.6621910	4634	3.6659560
4515	3.6546578	4555	3.6584884	4595	3.6622855	4635	3.6660497
4516	3.6547539	4556	3.6585837	4596	3.6623800	4636	3.6661434
4517	3.6548501	4557	3.6586790	4597	3.6624745	4637	3.6662371
4518	3.6549462	4558	3.6587743	4598	3.6625690	4638	3.6663307
4519	3.6550423	4559	3.6588696	4599	3.6626634	4639	3.6664244
4520	3.6551384	4560	3.6589648	4600	3.6627578	4640	3.6665180

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
4641	3.6666116	4681	3.6703386	4721	3.6740340	4761	3.6776982
4642	3.6667051	4682	3.6704314	4722	3.6741260	4762	3.6777894
4643	3.6667987	4683	3.6705242	4723	3.6742179	4763	3.6778806
4644	3.6668922	4684	3.6706169	4724	3.6743099	4764	3.6779718
4645	3.6669857	4685	3.6707096	4725	3.6744018	4765	3.6780629
4646	3.6670792	4686	3.6708023	4726	3.6744937	4766	3.6781540
4647	3.6671727	4687	3.6708950	4727	3.6745856	4767	3.6782452
4648	3.6672661	4688	3.6709876	4728	3.6746775	4768	3.6783362
4649	3.6673595	4689	3.6710802	4729	3.6747693	4769	3.6784273
4650	3.6674530	4690	3.6711728	4730	3.6748611	4770	3.6785184
4651	3.6675463	4691	3.6712654	4731	3.6749529	4771	3.6786094
4652	3.6676397	4692	3.6713580	4732	3.6750447	4772	3.6787004
4653	3.6677331	4693	3.6714506	4733	3.6751365	4773	3.6787914
4654	3.6678264	4694	3.6715431	4734	3.6752283	4774	3.6788824
4655	3.6679197	4695	3.6716356	4735	3.6753200	4775	3.6789734
4656	3.6680130	4696	3.6717281	4736	3.6754117	4776	3.6790643
4657	3.6681062	4697	3.6718206	4737	3.6755034	4777	3.6791552
4658	3.6681995	4698	3.6719130	4738	3.6755951	4778	3.6792461
4659	3.6682927	4699	3.6720054	4739	3.6756867	4779	3.6793370
4660	3.6683859	4700	3.6720979	4740	3.6757783	4780	3.6794279
4661	3.6684791	4701	3.6721903	4741	3.6758700	4781	3.6795187
4662	3.6685723	4702	3.6722826	4742	3.6759615	4782	3.6796096
4663	3.6686654	4703	3.6723750	4743	3.6760531	4783	3.6797004
4664	3.6687585	4704	3.6724673	4744	3.6761447	4784	3.6797912
4665	3.6688516	4705	3.6725596	4745	3.6762362	4785	3.6798819
4666	3.6689447	4706	3.6726519	4746	3.6763277	4786	3.6799727
4667	3.6690378	4707	3.6727442	4747	3.6764192	4787	3.6800634
4668	3.6691308	4708	3.6728365	4748	3.6765107	4788	3.6801541
4669	3.6692239	4709	3.6729287	4749	3.6766022	4789	3.6802448
4670	3.6693169	4710	3.6730209	4750	3.6766936	4790	3.6803355
4671	3.6694099	4711	3.6731131	4751	3.6767850	4791	3.6804262
4672	3.6695028	4712	3.6732053	4752	3.6768764	4792	3.6805168
4673	3.6695958	4713	3.6732974	4753	3.6769678	4793	3.6806074
4674	3.6696887	4714	3.6733896	4754	3.6770592	4794	3.6806980
4675	3.6697816	4715	3.6734817	4755	3.6771505	4795	3.6807886
4676	3.6698745	4716	3.6735738	4756	3.6772418	4796	3.6808792
4677	3.6699674	4717	3.6736659	4757	3.6773332	4797	3.6809697
4678	3.6700602	4718	3.6737579	4758	3.6774244	4798	3.6810602
4679	3.6701530	4719	3.6738500	4759	3.6775157	4799	3.6811507
4680	3.6702459	4720	3.6739420	4760	3.6776070	4800	3.6812412

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
4801	3.6813317	4841	3.6849351	4881	3.6885088	4921	3.6920534
4802	3.6814222	4842	3.6850248	4882	3.6885978	4922	3.6921416
4803	3.6815126	4843	3.6851145	4883	3.6886867	4923	3.6922298
4804	3.6816030	4844	3.6852041	4884	3.6887757	4924	3.6923180
4805	3.6816934	4845	3.6852938	4885	3.6888647	4925	3.6924062
4806	3.6817838	4846	3.6853834	4886	3.6889535	4926	3.6924944
4807	3.6818741	4847	3.6854730	4887	3.6890423	4927	3.6925826
4808	3.6819645	4848	3.6855626	4888	3.6891312	4928	3.6926707
4809	3.6820548	4849	3.6856522	4889	3.6892200	4929	3.6927588
4810	3.6821451	4850	3.6857417	4890	3.6893089	4930	3.6928469
4811	3.6822354	4851	3.6858313	4891	3.6893977	4931	3.6929350
4812	3.6823256	4852	3.6859208	4892	3.6894864	4932	3.6930231
4813	3.6824159	4853	3.6860103	4893	3.6895752	4933	3.6931111
4814	3.6825061	4854	3.6860998	4894	3.6896640	4934	3.6931991
4815	3.6825963	4855	3.6861892	4895	3.6897527	4935	3.6932872
4816	3.6826865	4856	3.6862787	4896	3.6898414	4936	3.6933752
4817	3.6827766	4857	3.6863681	4897	3.6899301	4937	3.6934631
4818	3.6828668	4858	3.6864575	4898	3.6900188	4938	3.6935511
4819	3.6829569	4859	3.6865469	4899	3.6901074	4939	3.6936390
4820	3.6830470	4860	3.6866363	4900	3.6901961	4940	3.6937269
4821	3.6831371	4861	3.6867256	4901	3.6902847	4941	3.6938149
4822	3.6832272	4862	3.6868150	4902	3.6903733	4942	3.6939027
4823	3.6833173	4863	3.6869043	4903	3.6904619	4943	3.6939906
4824	3.6834073	4864	3.6869936	4904	3.6905505	4944	3.6940785
4825	3.6834973	4865	3.6870828	4905	3.6906390	4945	3.6941663
4826	3.6835873	4866	3.6871721	4906	3.6907275	4946	3.6942541
4827	3.6836773	4867	3.6872613	4907	3.6908161	4947	3.6943419
4828	3.6837673	4868	3.6873506	4908	3.6909046	4948	3.6944297
4829	3.6838572	4869	3.6874398	4909	3.6909930	4949	3.6945175
4830	3.6839471	4870	3.6875290	4910	3.6910815	4950	3.6946052
4831	3.6840370	4871	3.6876181	4911	3.6911699	4951	3.6946929
4832	3.6841269	4872	3.6877073	4912	3.6912584	4952	3.6947806
4833	3.6842168	4873	3.6877964	4913	3.6913468	4953	3.6948683
4834	3.6843066	4874	3.6878855	4914	3.6914352	4954	3.6949560
4835	3.6843965	4875	3.6879746	4915	3.6915235	4955	3.6950437
4836	3.6844863	4876	3.6880637	4916	3.6916119	4956	3.6951313
4837	3.6845761	4877	3.6881528	4917	3.6917002	4957	3.6952189
4838	3.6846659	4878	3.6882418	4918	3.6917885	4958	3.6953065
4839	3.6847556	4879	3.6883308	4919	3.6918768	4959	3.6953941
4840	3.6848454	4880	3.6884198	4920	3.6919651	4960	3.6954817

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
4961	3.6955692	5001	3.6990569	5041	3.7025167	5081	3.7059492
4962	3.6956568	5002	3.6991437	5042	3.7026028	5082	3.7060347
4963	3.6957443	5003	3.6992305	5043	3.7026890	5083	3.7061201
4964	3.6958318	5004	3.6993173	5044	3.7027751	5084	3.7062055
4965	3.6959193	5005	3.6994041	5045	3.7028612	5085	3.7062910
4966	3.6960067	5006	3.6994908	5046	3.7029472	5086	3.7063764
4967	3.6960942	5007	3.6995776	5047	3.7030333	5087	3.7064617
4968	3.6961816	5008	3.6996643	5048	3.7031193	5088	3.7065471
4969	3.6962690	5009	3.6997510	5049	3.7032054	5089	3.7066325
4970	3.6963564	5010	3.6998377	5050	3.7032914	5090	3.7067178
4971	3.6964438	5011	3.6999244	5051	3.7033774	5091	3.7068031
4972	3.6965311	5012	3.7000111	5052	3.7034633	5092	3.7068884
4973	3.6966185	5013	3.7000977	5053	3.7035493	5093	3.7069737
4974	3.6967058	5014	3.7001843	5054	3.7036352	5094	3.7070589
4975	3.6967931	5015	3.7002709	5055	3.7037212	5095	3.7071442
4976	3.6968804	5016	3.7003575	5056	3.7038071	5096	3.7072294
4977	3.6969676	5017	3.7004441	5057	3.7038930	5097	3.7073146
4978	3.6970549	5018	3.7005307	5058	3.7039788	5098	3.7073998
4979	3.6971421	5019	3.7006172	5059	3.7040647	5099	3.7074850
4980	3.6972293	5020	3.7007037	5060	3.7041505	5100	3.7075702
4981	3.6973165	5021	3.7007902	5061	3.7042363	5101	3.7076553
4982	3.6974037	5022	3.7008767	5062	3.7043221	5102	3.7077405
4983	3.6974909	5023	3.7009632	5063	3.7044079	5103	3.7078256
4984	3.6975780	5024	3.7010496	5064	3.7044937	5104	3.7079107
4985	3.6976652	5025	3.7011361	5065	3.7045794	5105	3.7079957
4986	3.6977523	5026	3.7012225	5066	3.7046652	5106	3.7080808
4987	3.6978394	5027	3.7013089	5067	3.7047509	5107	3.7081659
4988	3.6979264	5028	3.7013953	5068	3.7048366	5108	3.7082509
4989	3.6980135	5029	3.7014816	5069	3.7049223	5109	3.7083359
4990	3.6981005	5030	3.7015680	5070	3.7050080	5110	3.7084209
4991	3.6981876	5031	3.7016543	5071	3.7050936	5111	3.7085059
4992	3.6982746	5032	3.7017406	5072	3.7051792	5112	3.7085908
4993	3.6983616	5033	3.7018269	5073	3.7052649	5113	3.7086758
4994	3.6984485	5034	3.7019132	5074	3.7053505	5114	3.7087607
4995	3.6985355	5035	3.7019995	5075	3.7054360	5115	3.7088456
4996	3.6986224	5036	3.7020857	5076	3.7055216	5116	3.7089305
4997	3.6987093	5037	3.7021720	5077	3.7056072	5117	3.7090154
4998	3.6987963	5038	3.7022582	5078	3.7056927	5118	3.7091003
4999	3.6988831	5039	3.7023444	5079	3.7057782	5119	3.7091851
5000	3.6989700	5040	3.7024305	5080	3.7058637	5120	3.7092700

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
5121	3.7093548	5161	3.7127339	5201	3.7160869	5241	3.7194142
5122	3.7094396	5162	3.7128180	5202	3.7161703	5242	3.7194970
5123	3.7095244	5163	3.7129021	5203	3.7162538	5243	3.7195799
5124	3.7096091	5164	3.7129862	5204	3.7163373	5244	3.7196627
5125	3.7096939	5165	3.7130703	5205	3.7164207	5245	3.7197455
5126	3.7097786	5166	3.7131544	5206	3.7165042	5246	3.7198283
5127	3.7098633	5167	3.7132385	5207	3.7165876	5247	3.7199111
5128	3.7099480	5168	3.7133225	5208	3.7166710	5248	3.7199938
5129	3.7100327	5169	3.7134065	5209	3.7167544	5249	3.7200766
5130	3.7101174	5170	3.7134905	5210	3.7168377	5250	3.7201593
5131	3.7102020	5171	3.7135745	5211	3.7169211	5251	3.7202420
5132	3.7102866	5172	3.7136585	5212	3.7170044	5252	3.7203247
5133	3.7103713	5173	3.7137425	5213	3.7170877	5253	3.7204074
5134	3.7104559	5174	3.7138264	5214	3.7171710	5254	3.7204901
5135	3.7105404	5175	3.7139104	5215	3.7172543	5255	3.7205727
5136	3.7106250	5176	3.7139943	5216	3.7173376	5256	3.7206554
5137	3.7107096	5177	3.7140782	5217	3.7174208	5257	3.7207380
5138	3.7107941	5178	3.7141620	5218	3.7175041	5258	3.7208206
5139	3.7108786	5179	3.7142459	5219	3.7175873	5259	3.7209032
5140	3.7109631	5180	3.7143298	5220	3.7176705	5260	3.7209857
5141	3.7110476	5181	3.7144136	5221	3.7177537	5261	3.7210683
5142	3.7111321	5182	3.7144974	5222	3.7178369	5262	3.7211508
5143	3.7112165	5183	3.7145812	5223	3.7179200	5263	3.7212334
5144	3.7113010	5184	3.7146650	5224	3.7180032	5264	3.7213159
5145	3.7113854	5185	3.7147488	5225	3.7180863	5265	3.7213984
5146	3.7114698	5186	3.7148325	5226	3.7181694	5266	3.7214809
5147	3.7115542	5187	3.7149162	5227	3.7182525	5267	3.7215633
5148	3.7116385	5188	3.7150000	5228	3.7183356	5268	3.7216458
5149	3.7117229	5189	3.7150837	5229	3.7184186	5269	3.7217282
5150	3.7118072	5190	3.7151674	5230	3.7185017	5270	3.7218106
5151	3.7118915	5191	3.7152510	5231	3.7185847	5271	3.7218930
5152	3.7119759	5192	3.7153347	5232	3.7186677	5272	3.7219754
5153	3.7120601	5193	3.7154183	5233	3.7187507	5273	3.7220578
5154	3.7121444	5194	3.7155019	5234	3.7188337	5274	3.7221401
5155	3.7122287	5195	3.7155856	5235	3.7189167	5275	3.7222225
5156	3.7123129	5196	3.7156691	5236	3.7189996	5276	3.7223048
5157	3.7123971	5197	3.7157527	5237	3.7190826	5277	3.7223871
5158	3.7124813	5198	3.7158363	5238	3.7191655	5278	3.7224694
5159	3.7125655	5199	3.7159198	5239	3.7192484	5279	3.7225517
5160	3.7126497	5200	3.7160033	5240	3.7193313	5280	3.7226339

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
281	3.7227162	5321	3.7259933	5361	3.7292458	5401	3.7324742
282	3.7227984	5322	3.7260749	5362	3.7293268	5402	3.7325546
283	3.7228806	5323	3.7261565	5363	3.7294078	5403	3.7326350
284	3.7229628	5324	3.7262380	5364	3.7294888	5404	3.7327153
285	3.7230450	5325	3.7263196	5365	3.7295697	5405	3.7327957
286	3.7231272	5326	3.7264012	5366	3.7296507	5406	3.7328760
287	3.7232093	5327	3.7264827	5367	3.7297316	5407	3.7329564
288	3.7232914	5328	3.7265642	5368	3.7298125	5408	3.7330367
289	3.7233736	5329	3.7266457	5369	3.7298934	5409	3.7331170
290	3.7234557	5330	3.7267272	5370	3.7299743	5410	3.7331973
291	3.7235378	5331	3.7268087	5371	3.7300552	5411	3.7332775
292	3.7236198	5332	3.7268901	5372	3.7301360	5412	3.7333578
293	3.7237019	5333	3.7269716	5373	3.7302168	5413	3.7334380
294	3.7237839	5334	3.7270530	5374	3.7302977	5414	3.7335183
295	3.7238660	5335	3.7271344	5375	3.7303785	5415	3.7335985
296	3.7239480	5336	3.7272158	5376	3.7304593	5416	3.7336787
297	3.7240300	5337	3.7272972	5377	3.7305400	5417	3.7337588
298	3.7241120	5338	3.7273786	5378	3.7306208	5418	3.7338390
299	3.7241939	5339	3.7274599	5379	3.7307015	5419	3.7339192
300	3.7242759	5340	3.7275413	5380	3.7307823	5420	3.7339993
301	3.7243578	5341	3.7276226	5381	3.7308630	5421	3.7340794
302	3.7244397	5342	3.7277039	5382	3.7309437	5422	3.7341595
303	3.7245216	5343	3.7277852	5383	3.7310244	5423	3.7342396
304	3.7246035	5344	3.7278664	5384	3.7311051	5424	3.7343197
305	3.7246854	5345	3.7279477	5385	3.7311857	5425	3.7343997
306	3.7247672	5346	3.7280290	5386	3.7312663	5426	3.7344798
307	3.7248491	5347	3.7281102	5387	3.7313470	5427	3.7345598
308	3.7249309	5348	3.7281914	5388	3.7314276	5428	3.7346398
309	3.7250127	5349	3.7282726	5389	3.7315082	5429	3.7347198
310	3.7250945	5350	3.7283538	5390	3.7315888	5430	3.7347998
311	3.7251763	5351	3.7284350	5391	3.7316693	5431	3.7348798
312	3.7252581	5352	3.7285161	5392	3.7317499	5432	3.7349598
313	3.7253398	5353	3.7285972	5393	3.7318304	5433	3.7350397
314	3.7254216	5354	3.7286784	5394	3.7319109	5434	3.7351196
315	3.7255033	5355	3.7287595	5395	3.7319914	5435	3.7351995
316	3.7255850	5356	3.7288406	5396	3.7320719	5436	3.7352794
317	3.7256667	5357	3.7289216	5397	3.7321524	5437	3.7353593
318	3.7257483	5358	3.7290027	5398	3.7322329	5438	3.7354392
319	3.7258300	5359	3.7290838	5399	3.7323133	5439	3.7355191
320	3.7259116	5360	3.7291648	5400	3.7323938	5440	3.7355989

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
5441	3·7356787	5481	3·7388598	5521	3·7420177	5561	3·7451529
5442	3·7357585	5482	3·7389390	5522	3·7420964	5562	3·7452310
5443	3·7358383	5483	3·7390182	5523	3·7421750	5563	3·7453091
5444	3·7359181	5484	3·7390974	5524	3·7422537	5564	3·7453871
5445	3·7359979	5485	3·7391766	5525	3·7423323	5565	3·7454652
5446	3·7360776	5486	3·7392558	5526	3·7424109	5566	3·7455432
5447	3·7361574	5487	3·7393350	5527	3·7424896	5567	3·7456212
5448	3·7362371	5488	3·7394141	5528	3·7425680	5568	3·7456992
5449	3·7363168	5489	3·7394932	5529	3·7426466	5569	3·7457772
5450	3·7363965	5490	3·7395723	5530	3·7427251	5570	3·7458552
5451	3·7364762	5491	3·7396514	5531	3·7428037	5571	3·7459332
5452	3·7365558	5492	3·7397305	5532	3·7428822	5572	3·7460111
5453	3·7366355	5493	3·7398096	5533	3·7429607	5573	3·7460890
5454	3·7367151	5494	3·7398887	5534	3·7430392	5574	3·7461670
5455	3·7367948	5495	3·7399677	5535	3·7431176	5575	3·7462449
5456	3·7368744	5496	3·7400467	5536	3·7431961	5576	3·7463228
5457	3·7369540	5497	3·7401257	5537	3·7432745	5577	3·7464006
5458	3·7370335	5498	3·7402047	5538	3·7433530	5578	3·7464785
5459	3·7371131	5499	3·7402837	5539	3·7434314	5579	3·7465564
5460	3·7371926	5500	3·7403627	5540	3·7435098	5580	3·7466342
5461	3·7372722	5501	3·7404416	5541	3·7435882	5581	3·7467120
5462	3·7373517	5502	3·7405206	5542	3·7436665	5582	3·7467898
5463	3·7374312	5503	3·7405995	5543	3·7437449	5583	3·7468676
5464	3·7375107	5504	3·7406784	5544	3·7438232	5584	3·7469454
5465	3·7375902	5505	3·7407573	5545	3·7439016	5585	3·7470232
5466	3·7376696	5506	3·7408362	5546	3·7439799	5586	3·7471009
5467	3·7377491	5507	3·7409151	5547	3·7440582	5587	3·7471787
5468	3·7378285	5508	3·7409939	5548	3·7441365	5588	3·7472564
5469	3·7379079	5509	3·7410728	5549	3·7442147	5589	3·7473341
5470	3·7379873	5510	3·7411516	5550	3·7442930	5590	3·7474118
5471	3·7380667	5511	3·7412304	5551	3·7443712	5591	3·7474895
5472	3·7381461	5512	3·7413092	5552	3·7444495	5592	3·7475672
5473	3·7382254	5513	3·7413880	5553	3·7445277	5593	3·7476448
5474	3·7383048	5514	3·7414668	5554	3·7446059	5594	3·7477225
5475	3·7383841	5515	3·7415455	5555	3·7446841	5595	3·7478001
5476	3·7384634	5516	3·7416243	5556	3·7447622	5596	3·7478777
5477	3·7385427	5517	3·7417030	5557	3·7448404	5597	3·7479553
5478	3·7386220	5518	3·7417817	5558	3·7449185	5598	3·7480329
5479	3·7387013	5519	3·7418604	5559	3·7449967	5599	3·7481105
5480	3·7387806	5520	3·7419391	5560	3·7450748	5600	3·7481880

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
5601	3.7482656	5641	3.7513561	5681	3.7544248	5721	3.7574719
5602	3.7483431	5642	3.7514331	5682	3.7545012	5722	3.7575479
5603	3.7484206	5643	3.7515101	5683	3.7545777	5723	3.7576237
5604	3.7484981	5644	3.7515870	5684	3.7546541	5724	3.7576996
5605	3.7485756	5645	3.7516639	5685	3.7547305	5725	3.7577755
5606	3.7486531	5646	3.7517409	5686	3.7548069	5726	3.7578513
5607	3.7487306	5647	3.7518178	5687	3.7548832	5727	3.7579272
5608	3.7488080	5648	3.7518947	5688	3.7549596	5728	3.7580030
5609	3.7488854	5649	3.7519716	5689	3.7550359	5729	3.7580788
5610	3.7489629	5650	3.7520484	5690	3.7551123	5730	3.7581546
5611	3.7490403	5651	3.7521253	5691	3.7551886	5731	3.7582304
5612	3.7491177	5652	3.7522022	5692	3.7552649	5732	3.7583062
5613	3.7491950	5653	3.7522790	5693	3.7553412	5733	3.7583819
5614	3.7492724	5654	3.7523558	5694	3.7554175	5734	3.7584577
5615	3.7493498	5655	3.7524326	5695	3.7554937	5735	3.7585334
5616	3.7494271	5656	3.7525094	5696	3.7555700	5736	3.7586091
5617	3.7495044	5657	3.7525862	5697	3.7556462	5737	3.7586848
5618	3.7495817	5658	3.7526629	5698	3.7557224	5738	3.7587605
5619	3.7496590	5659	3.7527397	5699	3.7557987	5739	3.7588362
5620	3.7497363	5660	3.7528164	5700	3.7558749	5740	3.7589119
5621	3.7498136	5661	3.7528932	5701	3.7559510	5741	3.7589875
5622	3.7498908	5662	3.7529699	5702	3.7560272	5742	3.7590632
5623	3.7499681	5663	3.7530466	5703	3.7561034	5743	3.7591388
5624	3.7500453	5664	3.7531232	5704	3.7561795	5744	3.7592144
5625	3.7501225	5665	3.7531999	5705	3.7562556	5745	3.7592900
5626	3.7501997	5666	3.7532766	5706	3.7563318	5746	3.7593656
5627	3.7502769	5667	3.7533532	5707	3.7564079	5747	3.7594412
5628	3.7503541	5668	3.7534298	5708	3.7564840	5748	3.7595168
5629	3.7504312	5669	3.7535065	5709	3.7565600	5749	3.7595923
5630	3.7505084	5670	3.7535831	5710	3.7566361	5750	3.7596678
5631	3.7505855	5671	3.7536596	5711	3.7567122	5751	3.7597434
5632	3.7506626	5672	3.7537362	5712	3.7567882	5752	3.7598189
5633	3.7507398	5673	3.7538128	5713	3.7568642	5753	3.7598944
5634	3.7508168	5674	3.7538893	5714	3.7569402	5754	3.7599699
5635	3.7508939	5675	3.7539659	5715	3.7570162	5755	3.7600453
5636	3.7509710	5676	3.7540424	5716	3.7570922	5756	3.7601208
5637	3.7510480	5677	3.7541189	5717	3.7571682	5757	3.7601962
5638	3.7511251	5678	3.7541954	5718	3.7572442	5758	3.7602717
5639	3.7512021	5679	3.7542719	5719	3.7573201	5759	3.7603471
5640	3.7512791	5680	3.7543483	5720	3.7573960	5760	3.7604225

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
5761	3.7604979	5801	3.7635029	5841	3.7664872	5881	3.7694512
5762	3.7605733	5802	3.7635777	5842	3.7665616	5882	3.7695250
5763	3.7606486	5803	3.7636526	5843	3.7666359	5883	3.7695988
5764	3.7607240	5804	3.7637274	5844	3.7667102	5884	3.7696727
5765	3.7607993	5805	3.7638022	5845	3.7667845	5885	3.7697465
5766	3.7608746	5806	3.7638770	5846	3.7668588	5886	3.7698203
5767	3.7609500	5807	3.7639518	5847	3.7669331	5887	3.7698940
5768	3.7610253	5808	3.7640266	5848	3.7670074	5888	3.7699678
5769	3.7611005	5809	3.7641014	5849	3.7670816	5889	3.7700416
5770	3.7611758	5810	3.7641761	5850	3.7671559	5890	3.7701153
5771	3.7612511	5811	3.7642509	5851	3.7672301	5891	3.7701890
5772	3.7613263	5812	3.7643256	5852	3.7673043	5892	3.7702627
5773	3.7614016	5813	3.7644003	5853	3.7673785	5893	3.7703364
5774	3.7614768	5814	3.7644750	5854	3.7674527	5894	3.7704101
5775	3.7615520	5815	3.7645497	5855	3.7675269	5895	3.7704838
5776	3.7616272	5816	3.7646244	5856	3.7676011	5896	3.7705575
5777	3.7617024	5817	3.7646991	5857	3.7676752	5897	3.7706311
5778	3.7617775	5818	3.7647737	5858	3.7677494	5898	3.7707048
5779	3.7618527	5819	3.7648484	5859	3.7678235	5899	3.7707784
5780	3.7619278	5820	3.7649230	5860	3.7678976	5900	3.7708520
5781	3.7620030	5821	3.7649976	5861	3.7679717	5901	3.7709256
5782	3.7620781	5822	3.7650722	5862	3.7680458	5902	3.7709992
5783	3.7621532	5823	3.7651468	5863	3.7681199	5903	3.7710728
5784	3.7622283	5824	3.7652214	5864	3.7681940	5904	3.7711463
5785	3.7623034	5825	3.7652959	5865	3.7682680	5905	3.7712199
5786	3.7623784	5826	3.7653705	5866	3.7683421	5906	3.7712934
5787	3.7624535	5827	3.7654450	5867	3.7684161	5907	3.7713670
5788	3.7625285	5828	3.7655195	5868	3.7684901	5908	3.7714405
5789	3.7626035	5829	3.7655941	5869	3.7685641	5909	3.7715140
5790	3.7626786	5830	3.7656686	5870	3.7686381	5910	3.7715875
5791	3.7627536	5831	3.7657430	5871	3.7687121	5911	3.7716610
5792	3.7628286	5832	3.7658175	5872	3.7687860	5912	3.7717344
5793	3.7629035	5833	3.7658920	5873	3.7688600	5913	3.7718079
5794	3.7629785	5834	3.7659664	5874	3.7689339	5914	3.7718813
5795	3.7630534	5835	3.7660409	5875	3.7690079	5915	3.7719547
5796	3.7631284	5836	3.7661153	5876	3.7690818	5916	3.7720282
5797	3.7632033	5837	3.7661897	5877	3.7691557	5917	3.7721016
5798	3.7632782	5838	3.7662641	5878	3.7692296	5918	3.7721750
5799	3.7633531	5839	3.7663385	5879	3.7693035	5919	3.7722483
5800	3.7634280	5840	3.7664128	5880	3.7693773	5920	3.7723217

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
5921	3.7723951	5961	3.7753191	6001	3.7782236	6041	3.7811088
5922	3.7724684	5962	3.7753920	6002	3.7782960	6042	3.7811807
5923	3.7725417	5963	3.7754648	6003	3.7783683	6043	3.7812526
5924	3.7726150	5964	3.7755376	6004	3.7784407	6044	3.7813245
5925	3.7726884	5965	3.7756104	6005	3.7785130	6045	3.7813963
5926	3.7727616	5966	3.7756832	6006	3.7785853	6046	3.7814681
5927	3.7728349	5967	3.7757560	6007	3.7786576	6047	3.7815400
5928	3.7729082	5968	3.7758288	6008	3.7787299	6048	3.7816118
5929	3.7729815	5969	3.7759016	6009	3.7788022	6049	3.7816836
5930	3.7730547	5970	3.7759743	6010	3.7788745	6050	3.7817554
5931	3.7731279	5971	3.7760471	6011	3.7789467	6051	3.7818272
5932	3.7732011	5972	3.7761198	6012	3.7790190	6052	3.7818989
5933	3.7732743	5973	3.7761925	6013	3.7790912	6053	3.7819707
5934	3.7733475	5974	3.7762652	6014	3.7791634	6054	3.7820424
5935	3.7734207	5975	3.7763379	6015	3.7792356	6055	3.7821141
5936	3.7734939	5976	3.7764106	6016	3.7793078	6056	3.7821859
5937	3.7735670	5977	3.7764833	6017	3.7793800	6057	3.7822576
5938	3.7736402	5978	3.7765559	6018	3.7794522	6058	3.7823293
5939	3.7737133	5979	3.7766286	6019	3.7795243	6059	3.7824010
5940	3.7737864	5980	3.7767012	6020	3.7795965	6060	3.7824726
5941	3.7738596	5981	3.7767738	6021	3.7796686	6061	3.7825443
5942	3.7739326	5982	3.7768464	6022	3.7797408	6062	3.7826159
5943	3.7740057	5983	3.7769190	6023	3.7798129	6063	3.7826876
5944	3.7740788	5984	3.7769916	6024	3.7798850	6064	3.7827592
5945	3.7741519	5985	3.7770642	6025	3.7799571	6065	3.7828308
5946	3.7742249	5986	3.7771367	6026	3.7800291	6066	3.7829024
5947	3.7742979	5987	3.7772093	6027	3.7801012	6067	3.7829740
5948	3.7743710	5988	3.7772818	6028	3.7801732	6068	3.7830456
5949	3.7744440	5989	3.7773543	6029	3.7802453	6069	3.7831171
5950	3.7745170	5990	3.7774268	6030	3.7803173	6070	3.7831887
5951	3.7745900	5991	3.7774993	6031	3.7803893	6071	3.7832602
5952	3.7746629	5992	3.7775718	6032	3.7804613	6072	3.7833318
5953	3.7747359	5993	3.7776443	6033	3.7805333	6073	3.7834033
5954	3.7748088	5994	3.7777167	6034	3.7806053	6074	3.7834748
5955	3.7748818	5995	3.7777892	6035	3.7806773	6075	3.7835463
5956	3.7749547	5996	3.7778616	6036	3.7807492	6076	3.7836178
5957	3.7750276	5997	3.7779340	6037	3.7808212	6077	3.7836892
5958	3.7751005	5998	3.7780065	6038	3.7808931	6078	3.7837607
5959	3.7751734	5999	3.7780789	6039	3.7809650	6079	3.7838321
5960	3.7752463	6000	3.7781513	6040	3.7810369	6080	3.7839036

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6081	3.7839750	6121	3.7868224	6161	3.7896512	6201	3.7924617
6082	3.7840464	6122	3.7868933	6162	3.7897217	6202	3.7925318
6083	3.7841178	6123	3.7869643	6163	3.7897922	6203	3.7926018
6084	3.7841892	6124	3.7870352	6164	3.7898626	6204	3.7926718
6085	3.7842606	6125	3.7871061	6165	3.7899331	6205	3.7927418
6086	3.7843319	6126	3.7871770	6166	3.7900035	6206	3.7928118
6087	3.7844033	6127	3.7872479	6167	3.7900739	6207	3.7928817
6088	3.7844746	6128	3.7873188	6168	3.7901444	6208	3.7929517
6089	3.7845460	6129	3.7873896	6169	3.7902148	6209	3.7930217
6090	3.7846173	6130	3.7874605	6170	3.7902852	6210	3.7930916
6091	3.7846886	6131	3.7875313	6171	3.7903555	6211	3.7931615
6092	3.7847599	6132	3.7876021	6172	3.7904259	6212	3.7932314
6093	3.7848312	6133	3.7876730	6173	3.7904963	6213	3.7933014
6094	3.7849024	6134	3.7877438	6174	3.7905666	6214	3.7933712
6095	3.7849737	6135	3.7878146	6175	3.7906370	6215	3.7934411
6096	3.7850450	6136	3.7878854	6176	3.7907073	6216	3.7935110
6097	3.7851162	6137	3.7879561	6177	3.7907776	6217	3.7935809
6098	3.7851874	6138	3.7880269	6178	3.7908479	6218	3.7936507
6099	3.7852586	6139	3.7880976	6179	3.7909182	6219	3.7937206
6100	3.7853298	6140	3.7881684	6180	3.7909885	6220	3.7937904
6101	3.7854010	6141	3.7882391	6181	3.7910587	6221	3.7938602
6102	3.7854722	6142	3.7883098	6182	3.7911290	6222	3.7939300
6103	3.7855434	6143	3.7883805	6183	3.7911992	6223	3.7939998
6104	3.7856145	6144	3.7884512	6184	3.7912695	6224	3.7940696
6105	3.7856857	6145	3.7885219	6185	3.7913397	6225	3.7941394
6106	3.7857568	6146	3.7885926	6186	3.7914099	6226	3.7942091
6107	3.7858279	6147	3.7886632	6187	3.7914801	6227	3.7942789
6108	3.7858990	6148	3.7887339	6188	3.7915503	6228	3.7943486
6109	3.7859701	6149	3.7888045	6189	3.7916205	6229	3.7944183
6110	3.7860412	6150	3.7888751	6190	3.7916906	6230	3.7944880
6111	3.7861123	6151	3.7889457	6191	3.7917608	6231	3.7945578
6112	3.7861833	6152	3.7890163	6192	3.7918309	6232	3.7946274
6113	3.7862544	6153	3.7890869	6193	3.7919011	6233	3.7946971
6114	3.7863254	6154	3.7891575	6194	3.7919712	6234	3.7947668
6115	3.7863965	6155	3.7892281	6195	3.7920413	6235	3.7948365
6116	3.7864675	6156	3.7892986	6196	3.7921114	6236	3.7949061
6117	3.7865385	6157	3.7893692	6197	3.7921815	6237	3.7949757
6118	3.7866095	6158	3.7894397	6198	3.7922516	6238	3.7950454
6119	3.7866805	6159	3.7895102	6199	3.7923216	6239	3.7951150
6120	3.7867514	6160	3.7895807	6200	3.7923917	6240	3.7951846

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
6241	3.7952542	6281	3.7980288	6321	3.8007858	6361	3.8035254
6242	3.7953238	6282	3.7980979	6322	3.8008545	6362	3.8035937
6243	3.7953933	6283	3.7981671	6323	3.8009232	6363	3.8036619
6244	3.7954629	6284	3.7982362	6324	3.8009919	6364	3.8037302
6245	3.7955324	6285	3.7983053	6325	3.8010605	6365	3.8037984
6246	3.7956020	6286	3.7983744	6326	3.8011292	6366	3.8038666
6247	3.7956715	6287	3.7984435	6327	3.8011978	6367	3.8039348
6248	3.7957410	6288	3.7985125	6328	3.8012665	6368	3.8040031
6249	3.7958105	6289	3.7985816	6329	3.8013351	6369	3.8040712
6250	3.7958800	6290	3.7986506	6330	3.8014037	6370	3.8041394
6251	3.7959495	6291	3.7987197	6331	3.8014723	6371	3.8042076
6252	3.7960190	6292	3.7987887	6332	3.8015409	6372	3.8042758
6253	3.7960884	6293	3.7988577	6333	3.8016095	6373	3.8043439
6254	3.7961579	6294	3.7989267	6334	3.8016781	6374	3.8044121
6255	3.7962273	6295	3.7989957	6335	3.8017466	6375	3.8044802
6256	3.7962967	6296	3.7990647	6336	3.8018152	6376	3.8045483
6257	3.7963662	6297	3.7991337	6337	3.8018837	6377	3.8046164
6258	3.7964356	6298	3.7992027	6338	3.8019522	6378	3.8046845
6259	3.7965050	6299	3.7992716	6339	3.8020208	6379	3.8047526
6260	3.7965743	6300	3.7993405	6340	3.8020893	6380	3.8048207
6261	3.7966437	6301	3.7994095	6341	3.8021578	6381	3.8048887
6262	3.7967131	6302	3.7994784	6342	3.8022262	6382	3.8049568
6263	3.7967824	6303	3.7995473	6343	3.8022947	6383	3.8050248
6264	3.7968517	6304	3.7996162	6344	3.8023632	6384	3.8050929
6265	3.7969211	6305	3.7996851	6345	3.8024316	6385	3.8051609
6266	3.7969904	6306	3.7997540	6346	3.8025001	6386	3.8052289
6267	3.7970597	6307	3.7998228	6347	3.8025685	6387	3.8052969
6268	3.7971290	6308	3.7998917	6348	3.8026369	6388	3.8053649
6269	3.7971983	6309	3.7999605	6349	3.8027053	6389	3.8054329
6270	3.7972675	6310	3.8000294	6350	3.8027737	6390	3.8055009
6271	3.7973368	6311	3.8000982	6351	3.8028421	6391	3.8055688
6272	3.7974060	6312	3.8001670	6352	3.8029105	6392	3.8056368
6273	3.7974753	6313	3.8002358	6353	3.8029789	6393	3.8057047
6274	3.7975445	6314	3.8003046	6354	3.8030472	6394	3.8057726
6275	3.7976137	6315	3.8003734	6355	3.8031156	6395	3.8058405
6276	3.7976829	6316	3.8004421	6356	3.8031839	6396	3.8059085
6277	3.7977521	6317	3.8005109	6357	3.8032522	6397	3.8059764
6278	3.7978213	6318	3.8005796	6358	3.8033205	6398	3.8060442
6279	3.7978905	6319	3.8006484	6359	3.8033888	6399	3.8061121
6280	3.7979596	6320	3.8007171	6360	3.8034571	6400	3.8061800

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
6401	3.8062478	6441	3.8089533	6481	3.8116420	6521	3.8143142
6402	3.8063157	6442	3.8090207	6482	3.8117090	6522	3.8143808
6403	3.8063835	6443	3.8090881	6483	3.8117760	6523	3.8144474
6404	3.8064513	6444	3.8091555	6484	3.8118430	6524	3.8145140
6405	3.8065191	6445	3.8092229	6485	3.8119100	6525	3.8145805
6406	3.8065869	6446	3.8092903	6486	3.8119769	6526	3.8146471
6407	3.8066547	6447	3.8093577	6487	3.8120439	6527	3.8147136
6408	3.8067225	6448	3.8094250	6488	3.8121108	6528	3.8147801
6409	3.8067903	6449	3.8094924	6489	3.8121778	6529	3.8148467
6410	3.8068580	6450	3.8095597	6490	3.8122447	6530	3.8149132
6411	3.8069258	6451	3.8096270	6491	3.8123116	6531	3.8149797
6412	3.8069935	6452	3.8096944	6492	3.8123785	6532	3.8150462
6413	3.8070612	6453	3.8097617	6493	3.8124454	6533	3.8151127
6414	3.8071290	6454	3.8098290	6494	3.8125123	6534	3.8151791
6415	3.8071967	6455	3.8098962	6495	3.8125792	6535	3.8152456
6416	3.8072644	6456	3.8099635	6496	3.8126460	6536	3.8153120
6417	3.8073320	6457	3.8100308	6497	3.8127129	6537	3.8153785
6418	3.8073997	6458	3.8100980	6498	3.8127797	6538	3.8154449
6419	3.8074674	6459	3.8101653	6499	3.8128465	6539	3.8155113
6420	3.8075350	6460	3.8102325	6500	3.8129134	6540	3.8155777
6421	3.8076027	6461	3.8102997	6501	3.8129802	6541	3.8156441
6422	3.8076703	6462	3.8103670	6502	3.8130470	6542	3.8157105
6423	3.8077379	6463	3.8104342	6503	3.8131138	6543	3.8157769
6424	3.8078055	6464	3.8105013	6504	3.8131805	6544	3.8158433
6425	3.8078731	6465	3.8105685	6505	3.8132473	6545	3.8159097
6426	3.8079407	6466	3.8106357	6506	3.8133141	6546	3.8159760
6427	3.8080083	6467	3.8107029	6507	3.8133808	6547	3.8160423
6428	3.8080759	6468	3.8107700	6508	3.8134475	6548	3.8161087
6429	3.8081434	6469	3.8108372	6509	3.8135143	6549	3.8161750
6430	3.8082110	6470	3.8109043	6510	3.8135810	6550	3.8162413
6431	3.8082785	6471	3.8109714	6511	3.8136477	6551	3.8163076
6432	3.8083460	6472	3.8110385	6512	3.8137144	6552	3.8163739
6433	3.8084136	6473	3.8111056	6513	3.8137811	6553	3.8164402
6434	3.8084811	6474	3.8111727	6514	3.8138478	6554	3.8165064
6435	3.8085486	6475	3.8112398	6515	3.8139144	6555	3.8165727
6436	3.8086160	6476	3.8113068	6516	3.8139811	6556	3.8166389
6437	3.8086835	6477	3.8113739	6517	3.8140477	6557	3.8167052
6438	3.8087510	6478	3.8114409	6518	3.8141144	6558	3.8167714
6439	3.8088184	6479	3.8115080	6519	3.8141810	6559	3.8168376
6440	3.8088859	6480	3.8115750	6520	3.8142476	6560	3.8169038

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
6561	3.8169700	6601	3.8196097	6641	3.8222335	6681	3.8248415
6562	3.8170362	6602	3.8196755	6642	3.8222989	6682	3.8249065
6563	3.8171024	6603	3.8197413	6643	3.8223643	6683	3.8249715
6564	3.8171686	6604	3.8198071	6644	3.8224296	6684	3.8250364
6565	3.8172347	6605	3.8198728	6645	3.8224950	6685	3.8251014
6566	3.8173009	6606	3.8209386	6646	3.8225603	6686	3.8251664
6567	3.8173670	6607	3.8200043	6647	3.8226257	6687	3.8252313
6568	3.8174331	6608	3.8200700	6648	3.8226910	6688	3.8252963
6569	3.8174993	6609	3.8201358	6649	3.8227563	6689	3.8253612
6570	3.8175654	6610	3.8202015	6650	3.8228216	6690	3.8254261
6571	3.8176315	6611	3.8202672	6651	3.8228869	6691	3.8254910
6572	3.8176976	6612	3.8203328	6652	3.8229522	6692	3.8255559
6573	3.8177636	6613	3.8203985	6653	3.8230175	6693	3.8256208
6574	3.8178297	6614	3.8204642	6654	3.8230828	6694	3.8256857
6575	3.8178958	6615	3.8205298	6655	3.8231481	6695	3.8257506
6576	3.8179618	6616	3.8205955	6656	3.8232133	6696	3.8258154
6577	3.8180278	6617	3.8206611	6657	3.8232786	6697	3.8258803
6578	3.8180939	6618	3.8207268	6658	3.8233438	6698	3.8259451
6579	3.8181599	6619	3.8207924	6659	3.8234090	6699	3.8260100
6580	3.8182259	6620	3.8208580	6660	3.8234742	6700	3.8260748
6581	3.8182919	6621	3.8209236	6661	3.8235394	6701	3.8261396
6582	3.8183579	6622	3.8209892	6662	3.8236046	6702	3.8262044
6583	3.8184239	6623	3.8210548	6663	3.8236698	6703	3.8262692
6584	3.8184898	6624	3.8211203	6664	3.8237350	6704	3.8263340
6585	3.8185558	6625	3.8211859	6665	3.8238002	6705	3.8263988
6586	3.8186217	6626	3.8212514	6666	3.8238653	6706	3.8264635
6587	3.8186877	6627	3.8213170	6667	3.8239305	6707	3.8265283
6588	3.8187536	6628	3.8213825	6668	3.8239956	6708	3.8265931
6589	3.8188195	6629	3.8214480	6669	3.8240607	6709	3.8266578
6590	3.8188854	6630	3.8215135	6670	3.8241258	6710	3.8267225
6591	3.8189513	6631	3.8215790	6671	3.8241909	6711	3.8267872
6592	3.8190172	6632	3.8216445	6672	3.8242560	6712	3.8268519
6593	3.8190831	6633	3.8217100	6673	3.8243211	6713	3.8269166
6594	3.8191489	6634	3.8217755	6674	3.8243862	6714	3.8269813
6595	3.8192148	6635	3.8218409	6675	3.8244513	6715	3.8270460
6596	3.8192806	6636	3.8219064	6676	3.8245163	6716	3.8271107
6597	3.8193465	6637	3.8219718	6677	3.8245814	6717	3.8271753
6598	3.8194123	6638	3.8220372	6678	3.8246464	6718	3.8272400
6599	3.8194781	6639	3.8221027	6679	3.8247114	6719	3.8273046
6600	3.8195439	6640	3.8221681	6680	3.8247765	6720	3.8273693

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6721	3.8274339	6761	3.8300109	6801	3.8325728	6841	3.8351196
6722	3.8274985	6762	3.8300752	6802	3.8326366	6842	3.8351831
6723	3.8275631	6763	3.8301394	6803	3.8327005	6843	3.8352465
6724	3.8276277	6764	3.8302036	6804	3.8327643	6844	3.8353100
6725	3.8276923	6765	3.8302678	6805	3.8328281	6845	3.8353735
6726	3.8277569	6766	3.8303320	6806	3.8328919	6846	3.8354369
6727	3.8278214	6767	3.8303962	6807	3.8329558	6847	3.8355003
6728	3.8278860	6768	3.8304604	6808	3.8330195	6848	3.8355638
6729	3.8279505	6769	3.8305245	6809	3.8330833	6849	3.8356272
6730	3.8280151	6770	3.8305887	6810	3.8331471	6850	3.8356906
6731	3.8280796	6771	3.8306528	6811	3.8332109	6851	3.8357540
6732	3.8281441	6772	3.8307169	6812	3.8332746	6852	3.8358174
6733	3.8282086	6773	3.8307811	6813	3.8333384	6853	3.8358807
6734	3.8282731	6774	3.8308452	6814	3.8334021	6854	3.8359441
6735	3.8283376	6775	3.8309093	6815	3.8334659	6855	3.8360075
6736	3.8284021	6776	3.8309734	6816	3.8335296	6856	3.8360708
6737	3.8284665	6777	3.8310375	6817	3.8335933	6857	3.8361341
6738	3.8285310	6778	3.8311016	6818	3.8336570	6858	3.8361975
6739	3.8285955	6779	3.8311656	6819	3.8337207	6859	3.8362608
6740	3.8286599	6780	3.8312297	6820	3.8337844	6860	3.8363241
6741	3.8287243	6781	3.8312937	6821	3.8338480	6861	3.8363874
6742	3.8287887	6782	3.8313578	6822	3.8339117	6862	3.8364507
6743	3.8288532	6783	3.8314218	6823	3.8339754	6863	3.8365140
6744	3.8289176	6784	3.8314858	6824	3.8340390	6864	3.8365773
6745	3.8289820	6785	3.8315499	6825	3.8341027	6865	3.8366405
6746	3.8290463	6786	3.8316139	6826	3.8341663	6866	3.8367038
6747	3.8291107	6787	3.8316778	6827	3.8342299	6867	3.8367670
6748	3.8291751	6788	3.8317418	6828	3.8342935	6868	3.8368303
6749	3.8292394	6789	3.8318058	6829	3.8343571	6869	3.8368935
6750	3.8293038	6790	3.8318698	6830	3.8344207	6870	3.8369567
6751	3.8293681	6791	3.8319337	6831	3.8344843	6871	3.8370199
6752	3.8294324	6792	3.8319977	6832	3.8345479	6872	3.8370832
6753	3.8294967	6793	3.8320616	6833	3.8346114	6873	3.8371463
6754	3.8295611	6794	3.8321255	6834	3.8346750	6874	3.8372095
6755	3.8296254	6795	3.8321895	6835	3.8347385	6875	3.8372727
6756	3.8296896	6796	3.8322534	6836	3.8348021	6876	3.8373359
6757	3.8297539	6797	3.8323173	6837	3.8348656	6877	3.8373990
6758	3.8298182	6798	3.8323812	6838	3.8349291	6878	3.8374622
6759	3.8298824	6799	3.8324450	6839	3.8349926	6879	3.8375253
6760	3.8299467	6800	3.8325089	6840	3.8350561	6880	3.8375884

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
881	3.8376516	6921	3.8401688	6961	3.8426716	7001	3.8451601
882	3.8377147	6922	3.8402316	6962	3.8427340	7002	3.8452221
883	3.8377778	6923	3.8402943	6963	3.8427964	7003	3.8452841
884	3.8378409	6924	3.8403571	6964	3.8428588	7004	3.8453461
885	3.8379039	6925	3.8404198	6965	3.8429211	7005	3.8454081
886	3.8379670	6926	3.8404825	6966	3.8429835	7006	3.8454701
887	3.8380301	6927	3.8405452	6967	3.8430458	7007	3.8455321
888	3.8380931	6928	3.8406079	6968	3.8431081	7008	3.8455941
889	3.8381562	6929	3.8406706	6969	3.8431705	7009	3.8456561
890	3.8382192	6930	3.8407332	6970	3.8432328	7010	3.8457180
891	3.8382822	6931	3.8407959	6971	3.8432951	7011	3.8457800
892	3.8383453	6932	3.8408586	6972	3.8433574	7012	3.8458419
893	3.8384083	6933	3.8409212	6973	3.8434197	7013	3.8459038
894	3.8384713	6934	3.8409838	6974	3.8434819	7014	3.8459658
895	3.8385343	6935	3.8410465	6975	3.8435442	7015	3.8460277
896	3.8385973	6936	3.8411091	6976	3.8436065	7016	3.8460896
897	3.8386602	6937	3.8411717	6977	3.8436687	7017	3.8461515
898	3.8387232	6938	3.8412343	6978	3.8437310	7018	3.8462134
899	3.8387861	6939	3.8412969	6979	3.8437932	7019	3.8462752
900	3.8388491	6940	3.8413595	6980	3.8438554	7020	3.8463371
901	3.8389120	6941	3.8414220	6981	3.8439176	7021	3.8463990
902	3.8389750	6942	3.8414846	6982	3.8439798	7022	3.8464608
903	3.8390379	6943	3.8415472	6983	3.8440420	7023	3.8465227
904	3.8391008	6944	3.8416097	6984	3.8441042	7024	3.8465845
905	3.8391637	6945	3.8416723	6985	3.8441664	7025	3.8466463
906	3.8392266	6946	3.8417348	6986	3.8442286	7026	3.8467081
907	3.8392895	6947	3.8417973	6987	3.8442907	7027	3.8467700
908	3.8393523	6948	3.8418598	6988	3.8443529	7028	3.8468318
909	3.8394152	6949	3.8419223	6989	3.8444150	7029	3.8468935
910	3.8394780	6950	3.8419848	6990	3.8444772	7030	3.8469553
911	3.8395409	6951	3.8420473	6991	3.8445393	7031	3.8470171
912	3.8396037	6952	3.8421098	6992	3.8446014	7032	3.8470789
913	3.8396666	6953	3.8421722	6993	3.8446635	7033	3.8471406
914	3.8397294	6954	3.8422347	6994	3.8447256	7034	3.8472024
915	3.8397922	6955	3.8422971	6995	3.8447877	7035	3.8472641
916	3.8398550	6956	3.8423596	6996	3.8448498	7036	3.8473258
917	3.8399178	6957	3.8424220	6997	3.8449119	7037	3.8473876
918	3.8399806	6958	3.8424844	6998	3.8449739	7038	3.8474493
919	3.8400433	6959	3.8425468	6999	3.8450360	7039	3.8475110
920	3.8401061	6960	3.8426092	7000	3.8450980	7040	3.8475727

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
7041	3.8476343	7081	3.8500946	7121	3.8525410	7161	3.8549737
7042	3.8476960	7082	3.8501559	7122	3.8526020	7162	3.8550343
7043	3.8477577	7083	3.8502172	7123	3.8526629	7163	3.8550950
7044	3.8478193	7084	3.8502786	7124	3.8527239	7164	3.8551556
7045	3.8478810	7085	3.8503399	7125	3.8527849	7165	3.8552162
7046	3.8479426	7086	3.8504011	7126	3.8528458	7166	3.8552768
7047	3.8480043	7087	3.8504624	7127	3.8529068	7167	3.8553374
7048	3.8480659	7088	3.8505237	7128	3.8529677	7168	3.8553980
7049	3.8481275	7089	3.8505850	7129	3.8530286	7169	3.8554586
7050	3.8481891	7090	3.8506462	7130	3.8530895	7170	3.8555192
7051	3.8482507	7091	3.8507075	7131	3.8531504	7171	3.8555797
7052	3.8483123	7092	3.8507687	7132	3.8532113	7172	3.8556403
7053	3.8483739	7093	3.8508300	7133	3.8532722	7173	3.8557008
7054	3.8484355	7094	3.8508912	7134	3.8533331	7174	3.8557614
7055	3.8484970	7095	3.8509524	7135	3.8533940	7175	3.8558219
7056	3.8485586	7096	3.8510136	7136	3.8534548	7176	3.8558824
7057	3.8486201	7097	3.8510748	7137	3.8535157	7177	3.8559429
7058	3.8486817	7098	3.8511360	7138	3.8535765	7178	3.8560035
7059	3.8487432	7099	3.8511972	7139	3.8536374	7179	3.8560640
7060	3.8488047	7100	3.8512583	7140	3.8536982	7180	3.8561244
7061	3.8488662	7101	3.8513195	7141	3.8537590	7181	3.8561849
7062	3.8489277	7102	3.8513807	7142	3.8538198	7182	3.8562454
7063	3.8489892	7103	3.8514418	7143	3.8538807	7183	3.8563059
7064	3.8490507	7104	3.8515030	7144	3.8539414	7184	3.8563663
7065	3.8491122	7105	3.8515641	7145	3.8540022	7185	3.8564268
7066	3.8491736	7106	3.8516252	7146	3.8540630	7186	3.8564872
7067	3.8492351	7107	3.8516863	7147	3.8541238	7187	3.8565476
7068	3.8492965	7108	3.8517474	7148	3.8541845	7188	3.8566081
7069	3.8493580	7109	3.8518085	7149	3.8542453	7189	3.8566685
7070	3.8494194	7110	3.8518696	7150	3.8543060	7190	3.8567289
7071	3.8494808	7111	3.8519307	7151	3.8543668	7191	3.8567893
7072	3.8495423	7112	3.8519917	7152	3.8544275	7192	3.8568497
7073	3.8496037	7113	3.8520528	7153	3.8544882	7193	3.8569101
7074	3.8496651	7114	3.8521139	7154	3.8545489	7194	3.8569704
7075	3.8497264	7115	3.8521749	7155	3.8546096	7195	3.8570308
7076	3.8497878	7116	3.8522359	7156	3.8546703	7196	3.8570912
7077	3.8498492	7117	3.8522970	7157	3.8547310	7197	3.8571515
7078	3.8499106	7118	3.8523580	7158	3.8547917	7198	3.8572118
7079	3.8499719	7119	3.8524190	7159	3.8548524	7199	3.8572722
7080	3.8500333	7120	3.8524800	7160	3.8549130	7200	3.8573325

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
7201	3.8573928	7241	3.8597985	7281	3.8621910	7321	3.8645704
7202	3.8574531	7242	3.8598585	7282	3.8622507	7322	3.8646297
7203	3.8575134	7243	3.8599185	7283	3.8623103	7323	3.8646890
7204	3.8575737	7244	3.8599784	7284	3.8623699	7324	3.8647483
7205	3.8576340	7245	3.8600384	7285	3.8624296	7325	3.8648076
7206	3.8576943	7246	3.8600983	7286	3.8624892	7326	3.8648669
7207	3.8577545	7247	3.8601583	7287	3.8625488	7327	3.8649262
7208	3.8578148	7248	3.8602182	7288	3.8626084	7328	3.8649855
7209	3.8578750	7249	3.8602781	7289	3.8626680	7329	3.8650447
7210	3.8579353	7250	3.8603380	7290	3.8627275	7330	3.8651040
7211	3.8579955	7251	3.8603979	7291	3.8627871	7331	3.8651632
7212	3.8580557	7252	3.8604578	7292	3.8628467	7332	3.8652225
7213	3.8581159	7253	3.8605177	7293	3.8629062	7333	3.8652817
7214	3.8581761	7254	3.8605776	7294	3.8629658	7334	3.8653409
7215	3.8582363	7255	3.8606374	7295	3.8630253	7335	3.8654001
7216	3.8582965	7256	3.8606973	7296	3.8630848	7336	3.8654593
7217	3.8583567	7257	3.8607571	7297	3.8631443	7337	3.8655185
7218	3.8584169	7258	3.8608170	7298	3.8632039	7338	3.8655777
7219	3.8584770	7259	3.8608768	7299	3.8632634	7339	3.8656369
7220	3.8585372	7260	3.8609366	7300	3.8633229	7340	3.8656961
7221	3.8585973	7261	3.8609964	7301	3.8633823	7341	3.8657552
7222	3.8586575	7262	3.8610562	7302	3.8634418	7342	3.8658144
7223	3.8587176	7263	3.8611160	7303	3.8635013	7343	3.8658735
7224	3.8587777	7264	3.8611758	7304	3.8635608	7344	3.8659327
7225	3.8588379	7265	3.8612356	7305	3.8636202	7345	3.8659918
7226	3.8588980	7266	3.8612954	7306	3.8636797	7346	3.8660509
7227	3.8589581	7267	3.8613552	7307	3.8637391	7347	3.8661100
7228	3.8590181	7268	3.8614149	7308	3.8637985	7348	3.8661691
7229	3.8590782	7269	3.8614747	7309	3.8638580	7349	3.8662282
7230	3.8591383	7270	3.8615344	7310	3.8639174	7350	3.8662873
7231	3.8591984	7271	3.8615941	7311	3.8639768	7351	3.8663464
7232	3.8592584	7272	3.8616539	7312	3.8640362	7352	3.8664055
7233	3.8593185	7273	3.8617136	7313	3.8640956	7353	3.8664646
7234	3.8593785	7274	3.8617733	7314	3.8641550	7354	3.8665236
7235	3.8594385	7275	3.8618330	7315	3.8642143	7355	3.8665827
7236	3.8594986	7276	3.8618927	7316	3.8642737	7356	3.8666417
7237	3.8595586	7277	3.8619524	7317	3.8643331	7357	3.8667008
7238	3.8596186	7278	3.8620121	7318	3.8643924	7358	3.8667598
7239	3.8596786	7279	3.8620717	7319	3.8644517	7359	3.8668188
7240	3.8597386	7280	3.8621314	7320	3.8645111	7360	3.8668778

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith
7361	3.8669368	7401	3.8692904	7441	3.8716313	7481	3.8739597
7362	3.8669958	7402	3.8693491	7442	3.8716897	7482	3.8740177
7363	3.8670548	7403	3.8694077	7443	3.8717480	7483	3.8740757
7364	3.8671138	7404	3.8694664	7444	3.8718064	7484	3.8741338
7365	3.8671728	7405	3.8695251	7445	3.8718647	7485	3.8741918
7366	3.8672317	7406	3.8695837	7446	3.8719230	7486	3.8742498
7367	3.8672907	7407	3.8696423	7447	3.8719814	7487	3.8743078
7368	3.8673496	7408	3.8697010	7448	3.8720397	7488	3.8743658
7369	3.8674086	7409	3.8697596	7449	3.8720980	7489	3.8744238
7370	3.8674675	7410	3.8698182	7450	3.8721563	7490	3.8744818
7371	3.8675264	7411	3.8698768	7451	3.8722146	7491	3.8745398
7372	3.8675853	7412	3.8699354	7452	3.8722728	7492	3.8745978
7373	3.8676442	7413	3.8699940	7453	3.8723311	7493	3.8746557
7374	3.8677031	7414	3.8700526	7454	3.8723894	7494	3.8747137
7375	3.8677620	7415	3.8701112	7455	3.8724476	7495	3.8747716
7376	3.8678209	7416	3.8701697	7456	3.8725059	7496	3.8748296
7377	3.8678798	7417	3.8702283	7457	3.8725641	7497	3.8748875
7378	3.8679387	7418	3.8702868	7458	3.8726224	7498	3.8749454
7379	3.8679975	7419	3.8703454	7459	3.8726806	7499	3.8750034
7380	3.8680564	7420	3.8704039	7460	3.8727388	7500	3.8750613
7381	3.8681152	7421	3.8704624	7461	3.8727970	7501	3.8751192
7382	3.8681740	7422	3.8705210	7462	3.8728552	7502	3.8751771
7383	3.8682329	7423	3.8705795	7463	3.8729134	7503	3.8752349
7384	3.8682917	7424	3.8706380	7464	3.8729716	7504	3.8752928
7385	3.8683505	7425	3.8706965	7465	3.8730298	7505	3.8753507
7386	3.8684093	7426	3.8707549	7466	3.8730880	7506	3.8754086
7387	3.8684681	7427	3.8708134	7467	3.8731462	7507	3.8754664
7388	3.8685269	7428	3.8708719	7468	3.8732043	7508	3.8755243
7389	3.8685857	7429	3.8709304	7469	3.8732625	7509	3.8755821
7390	3.8686444	7430	3.8709888	7470	3.8733206	7510	3.8756399
7391	3.8687032	7431	3.8710473	7471	3.8733787	7511	3.8756978
7392	3.8687620	7432	3.8711057	7472	3.8734369	7512	3.8757556
7393	3.8688207	7433	3.8711641	7473	3.8734950	7513	3.8758134
7394	3.8688794	7434	3.8712226	7474	3.8735531	7514	3.8758712
7395	3.8689382	7435	3.8712810	7475	3.8736112	7515	3.8759290
7396	3.8689969	7436	3.8713394	7476	3.8736693	7516	3.8759868
7397	3.8690556	7437	3.8713978	7477	3.8737274	7517	3.8760446
7398	3.8691143	7438	3.8714562	7478	3.8737855	7518	3.8761023
7399	3.8691730	7439	3.8715146	7479	3.8738435	7519	3.8761601
7400	3.8692317	7440	3.8715729	7480	3.8739016	7520	3.8762178

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
7521	3.8762756	7561	3.8785792	7601	3.8808707	7641	3.8831502
7522	3.8763333	7562	3.8786367	7602	3.8809279	7642	3.8832070
7523	3.8763911	7563	3.8786941	7603	3.8809850	7643	3.8832639
7524	3.8764488	7564	3.8787515	7604	3.8810421	7644	3.8833207
7525	3.8765065	7565	3.8788089	7605	3.8810992	7645	3.8833775
7526	3.8765642	7566	3.8788663	7606	3.8811563	7646	3.8834343
7527	3.8766219	7567	3.8789237	7607	3.8812134	7647	3.8834911
7528	3.8766796	7568	3.8789811	7608	3.8812705	7648	3.8835479
7529	3.8767373	7569	3.8790385	7609	3.8813276	7649	3.8836047
7530	3.8767950	7570	3.8790959	7610	3.8813847	7650	3.8836614
7531	3.8768526	7571	3.8791532	7611	3.8814417	7651	3.8837182
7532	3.8769103	7572	3.8792106	7612	3.8814988	7652	3.8837750
7533	3.8769680	7573	3.8792680	7613	3.8815558	7653	3.8838317
7534	3.8770256	7574	3.8793253	7614	3.8816129	7654	3.8838885
7535	3.8770833	7575	3.8793826	7615	3.8816699	7655	3.8839452
7536	3.8771409	7576	3.8794400	7616	3.8817269	7656	3.8840019
7537	3.8771985	7577	3.8794973	7617	3.8817840	7657	3.8840586
7538	3.8772561	7578	3.8795546	7618	3.8818410	7658	3.8841154
7539	3.8773137	7579	3.8796119	7619	3.8818980	7659	3.8841721
7540	3.8773713	7580	3.8796692	7620	3.8819550	7660	3.8842288
7541	3.8774289	7581	3.8797265	7621	3.8820120	7661	3.8842855
7542	3.8774865	7582	3.8797838	7622	3.8820689	7662	3.8843421
7543	3.8775441	7583	3.8798411	7623	3.8821259	7663	3.8843988
7544	3.8776017	7584	3.8798983	7624	3.8821829	7664	3.8844555
7545	3.8776592	7585	3.8799556	7625	3.8822398	7665	3.8845122
7546	3.8777168	7586	3.8800128	7626	3.8822968	7666	3.8845688
7547	3.8777743	7587	3.8800701	7627	3.8823537	7667	3.8846255
7548	3.8778319	7588	3.8801273	7628	3.8824107	7668	3.8846821
7549	3.8778894	7589	3.8801846	7629	3.8824676	7669	3.8847387
7550	3.8779470	7590	3.8802418	7630	3.8825245	7670	3.8847954
7551	3.8780045	7591	3.8802990	7631	3.8825815	7671	3.8848520
7552	3.8780620	7592	3.8803562	7632	3.8826384	7672	3.8849086
7553	3.8781195	7593	3.8804134	7633	3.8826953	7673	3.8849652
7554	3.8781770	7594	3.8804706	7634	3.8827522	7674	3.8850218
7555	3.8782345	7595	3.8805278	7635	3.8828090	7675	3.8850784
7556	3.8782919	7596	3.8805850	7636	3.8828659	7676	3.8851350
7557	3.8783494	7597	3.8806421	7637	3.8829228	7677	3.8851915
7558	3.8784069	7598	3.8806993	7638	3.8829797	7678	3.8852481
7559	3.8784643	7599	3.8807564	7639	3.8830365	7679	3.8853047
7560	3.8785218	7600	3.8808136	7640	3.8830934	7680	3.8853612

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
7681	3.8854178	7721	3.8876736	7761	3.8899177	7801	3.8921503
7682	3.8854743	7722	3.8877298	7762	3.8899736	7802	3.8922059
7683	3.8855308	7723	3.8877860	7763	3.8900296	7803	3.8922616
7684	3.8855874	7724	3.8878423	7764	3.8900855	7804	3.8923173
7685	3.8856439	7725	3.8878985	7765	3.8901415	7805	3.8923729
7686	3.8857004	7726	3.8879547	7766	3.8901974	7806	3.8924285
7687	3.8857569	7727	3.8880109	7767	3.8902533	7807	3.8924842
7688	3.8858134	7728	3.8880671	7768	3.8903092	7808	3.8925398
7689	3.8858699	7729	3.8881233	7769	3.8903651	7809	3.8925954
7690	3.8859263	7730	3.8881795	7770	3.8904210	7810	3.8926510
7691	3.8859828	7731	3.8882357	7771	3.8904769	7811	3.8927066
7692	3.8860393	7732	3.8882918	7772	3.8905328	7812	3.8927622
7693	3.8860957	7733	3.8883480	7773	3.8905887	7813	3.8928178
7694	3.8861522	7734	3.8884042	7774	3.8906445	7814	3.8928734
7695	3.8862086	7735	3.8884603	7775	3.8907004	7815	3.8929290
7696	3.8862651	7736	3.8885165	7776	3.8907563	7816	3.8929846
7697	3.8863215	7737	3.8885726	7777	3.8908121	7817	3.8930401
7698	3.8863779	7738	3.8886287	7778	3.8908679	7818	3.8930957
7699	3.8864343	7739	3.8886848	7779	3.8909238	7819	3.8931512
7700	3.8864907	7740	3.8887410	7780	3.8909796	7820	3.8932068
7701	3.8865471	7741	3.8887971	7781	3.8910354	7821	3.8932623
7702	3.8866035	7742	3.8888532	7782	3.8910912	7822	3.8933178
7703	3.8866599	7743	3.8889093	7783	3.8911470	7823	3.8933733
7704	3.8867163	7744	3.8889653	7784	3.8912028	7824	3.8934288
7705	3.8867726	7745	3.8890214	7785	3.8912586	7825	3.8934843
7706	3.8868290	7746	3.8890775	7786	3.8913144	7826	3.8935398
7707	3.8868854	7747	3.8891336	7787	3.8913702	7827	3.8935953
7708	3.8869417	7748	3.8891896	7788	3.8914259	7828	3.8936508
7709	3.8869980	7749	3.8892457	7789	3.8914817	7829	3.8937063
7710	3.8870544	7750	3.8893017	7790	3.8915375	7830	3.8937618
7711	3.8871107	7751	3.8893577	7791	3.8915932	7831	3.8938172
7712	3.8871670	7752	3.8894138	7792	3.8916489	7832	3.8938727
7713	3.8872233	7753	3.8894698	7793	3.8917047	7833	3.8939281
7714	3.8872796	7754	3.8895258	7794	3.8917604	7834	3.8939836
7715	3.8873359	7755	3.8895818	7795	3.8918161	7835	3.8940390
7716	3.8873922	7756	3.8896378	7796	3.8918718	7836	3.8940944
7717	3.8874485	7757	3.8896938	7797	3.8919275	7837	3.8941498
7718	3.8875048	7758	3.8897498	7798	3.8919832	7838	3.8942053
7719	3.8875610	7759	3.8898058	7799	3.8920389	7839	3.8942607
7720	3.8876173	7760	3.8898617	7800	3.8920946	7840	3.8943161

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
7841	3.8943715	7881	3.8965813	7921	3.8987800	7961	3.9009676
7842	3.8944268	7882	3.8966364	7922	3.8988348	7962	3.9010222
7843	3.8944822	7883	3.8966915	7923	3.8988897	7963	3.9010767
7844	3.8945376	7884	3.8967466	7924	3.8989445	7964	3.9011313
7845	3.8945929	7885	3.8968017	7925	3.8989993	7965	3.9011858
7846	3.8946483	7886	3.8968568	7926	3.8990541	7966	3.9012403
7847	3.8947037	7887	3.8969118	7927	3.8991089	7967	3.9012948
7848	3.8947590	7888	3.8969669	7928	3.8991636	7968	3.9013493
7849	3.8948143	7889	3.8970220	7929	3.8992184	7969	3.9014038
7850	3.8948697	7890	3.8970770	7930	3.8992732	7970	3.9014583
7851	3.8949250	7891	3.8971320	7931	3.8993279	7971	3.9015128
7852	3.8949803	7892	3.8971871	7932	3.8993827	7972	3.9015673
7853	3.8950356	7893	3.8972421	7933	3.8994375	7973	3.9016218
7854	3.8950909	7894	3.8972971	7934	3.8994922	7974	3.9016762
7855	3.8951462	7895	3.8973521	7935	3.8995469	7975	3.9017307
7856	3.8952015	7896	3.8974071	7936	3.8996017	7976	3.9017851
7857	3.8952568	7897	3.8974621	7937	3.8996564	7977	3.9018396
7858	3.8953120	7898	3.8975171	7938	3.8997111	7978	3.9018940
7859	3.8953673	7899	3.8975721	7939	3.8997658	7979	3.9019485
7860	3.8954225	7900	3.8976271	7940	3.8998205	7980	3.9020029
7861	3.8954778	7901	3.8976821	7941	3.8998752	7981	3.9020573
7862	3.8955330	7902	3.8977370	7942	3.8999299	7982	3.9021117
7863	3.8955883	7903	3.8977920	7943	3.8999846	7983	3.9021661
7864	3.8956435	7904	3.8978469	7944	3.9000392	7984	3.9022205
7865	3.8956987	7905	3.8979019	7945	3.9000939	7985	3.9022749
7866	3.8957539	7906	3.8979568	7946	3.9001486	7986	3.9023293
7867	3.8958092	7907	3.8980117	7947	3.9002032	7987	3.9023837
7868	3.8958644	7908	3.8980667	7948	3.9002579	7988	3.9024381
7869	3.8959195	7909	3.8981216	7949	3.9003125	7989	3.9024924
7870	3.8959747	7910	3.8981765	7950	3.9003671	7990	3.9025468
7871	3.8960299	7911	3.8982314	7951	3.9004218	7991	3.9026011
7872	3.8960851	7912	3.8982863	7952	3.9004764	7992	3.9026555
7873	3.8961403	7913	3.8983412	7953	3.9005310	7993	3.9027098
7874	3.8961954	7914	3.8983960	7954	3.9005856	7994	3.9027641
7875	3.8962506	7915	3.8984509	7955	3.9006402	7995	3.9028185
7876	3.8963057	7916	3.8985058	7956	3.9006948	7996	3.9028728
7877	3.8963608	7917	3.8985606	7957	3.9007494	7997	3.9029271
7878	3.8964160	7918	3.8986155	7958	3.9008039	7998	3.9029814
7879	3.8964711	7919	3.8986703	7959	3.9008585	7999	3.9030357
7880	3.8965262	7920	3.8987252	7960	3.9009131	8000	3.9030900

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
8001	3.9031443	8041	3.9053101	8081	3.9074651	8121	3.9096095
8002	3.9031985	8042	3.9053641	8082	3.9075188	8122	3.9096630
8003	3.9032528	8043	3.9054181	8083	3.9075726	8123	3.9097165
8004	3.9033071	8044	3.9054721	8084	3.9076263	8124	3.9097699
8005	3.9033613	8045	3.9055260	8085	3.9076800	8125	3.9098234
8006	3.9034156	8046	3.9055800	8086	3.9077337	8126	3.9098768
8007	3.9034698	8047	3.9056340	8087	3.9077874	8127	3.9099303
8008	3.9035241	8048	3.9056880	8088	3.9078411	8128	3.9099837
8009	3.9035783	8049	3.9057419	8089	3.9078948	8129	3.9100371
8010	3.9036325	8050	3.9057959	8090	3.9079485	8130	3.9100905
8011	3.9036867	8051	3.9058498	8091	3.9080022	8131	3.9101440
8012	3.9037409	8052	3.9059038	8092	3.9080559	8132	3.9101974
8013	3.9037951	8053	3.9059577	8093	3.9081095	8133	3.9102508
8014	3.9038493	8054	3.9060116	8094	3.9081632	8134	3.9103042
8015	3.9039035	8055	3.9060655	8095	3.9082169	8135	3.9103576
8016	3.9039577	8056	3.9061195	8096	3.9082705	8136	3.9104109
8017	3.9040119	8057	3.9061734	8097	3.9083241	8137	3.9104643
8018	3.9040661	8058	3.9062273	8098	3.9083778	8138	3.9105177
8019	3.9041202	8059	3.9062812	8099	3.9084314	8139	3.9105710
8020	3.9041744	8060	3.9063350	8100	3.9084850	8140	3.9106244
8021	3.9042285	8061	3.9063889	8101	3.9085386	8141	3.9106778
8022	3.9042827	8062	3.9064428	8102	3.9085922	8142	3.9107311
8023	3.9043368	8063	3.9064967	8103	3.9086458	8143	3.9107844
8024	3.9043909	8064	3.9065505	8104	3.9086994	8144	3.9108378
8025	3.9044450	8065	3.9066044	8105	3.9087530	8145	3.9108911
8026	3.9044992	8066	3.9066582	8106	3.9088066	8146	3.9109444
8027	3.9045533	8067	3.9067121	8107	3.9088602	8147	3.9109977
8028	3.9046074	8068	3.9067659	8108	3.9089137	8148	3.9110510
8029	3.9046615	8069	3.9068197	8109	3.9089673	8149	3.9111043
8030	3.9047155	8070	3.9068735	8110	3.9090209	8150	3.9111576
8031	3.9047696	8071	3.9069273	8111	3.9090744	8151	3.9112109
8032	3.9048237	8072	3.9069812	8112	3.9091279	8152	3.9112642
8033	3.9048778	8073	3.9070350	8113	3.9091815	8153	3.9113174
8034	3.9049318	8074	3.9070887	8114	3.9092350	8154	3.9113707
8035	3.9049859	8075	3.9071425	8115	3.9092885	8155	3.9114240
8036	3.9050399	8076	3.9071963	8116	3.9093420	8156	3.9114772
8037	3.9050940	8077	3.9072501	8117	3.9093955	8157	3.9115305
8038	3.9051480	8078	3.9073038	8118	3.9094490	8158	3.9115837
8039	3.9052020	8079	3.9073576	8119	3.9095025	8159	3.9116369
8040	3.9052560	8080	3.9074114	8120	3.9095560	8160	3.9116902

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
8161	3.9117434	8201	3.9138668	8241	3.9159799	8281	3.9180828
8162	3.9117966	8202	3.9139198	8242	3.9160326	8282	3.9181352
8163	3.9118498	8203	3.9139727	8243	3.9160853	8283	3.9181877
8164	3.9119030	8204	3.9140257	8244	3.9161380	8284	3.9182401
8165	3.9119562	8205	3.9140786	8245	3.9161907	8285	3.9182925
8166	3.9120094	8206	3.9141315	8246	3.9162433	8286	3.9183449
8167	3.9120626	8207	3.9141844	8247	3.9162960	8287	3.9183973
8168	3.9121157	8208	3.9142373	8248	3.9163487	8288	3.9184497
8169	3.9121689	8209	3.9142903	8249	3.9164013	8289	3.9185021
8170	3.9122221	8210	3.9143432	8250	3.9164539	8290	3.9185545
8171	3.9122752	8211	3.9143961	8251	3.9165066	8291	3.9186069
8172	3.9123284	8212	3.9144489	8252	3.9165592	8292	3.9186593
8173	3.9123815	8213	3.9145018	8253	3.9166118	8293	3.9187117
8174	3.9124346	8214	3.9145547	8254	3.9166645	8294	3.9187640
8175	3.9124878	8215	3.9146076	8255	3.9167171	8295	3.9188164
8176	3.9125409	8216	3.9146604	8256	3.9167697	8296	3.9188687
8177	3.9125940	8217	3.9147133	8n57	3.9168223	8297	3.9189211
8178	3.9126471	8218	3.9147661	8258	3.9168749	8298	3.9189734
8179	3.9127002	8219	3.9148190	8259	3.9169275	8299	3.9190258
8180	3.9127533	8220	3.9148718	8260	3.9169800	8300	3.9190781
8181	3.9128064	8221	3.9149246	8261	3.9170326	8301	3.9191304
8182	3.9128595	8222	3.9149775	8262	3.9170852	8302	3.9191827
8183	3.9129126	8223	3.9150303	8263	3.9171378	8303	3.9192350
8184	3.9129656	8224	3.9150831	8264	3.9171903	8304	3.9192873
8185	3.9130187	8225	3.9151359	8265	3.9172429	8305	3.9193396
8186	3.9130717	8226	3.9151887	8266	3.9172954	8306	3.9193919
8187	3.9131248	8227	3.9152415	8267	3.9173479	8307	3.9194442
8188	3.9131778	8228	3.9152943	8268	3.9174005	8308	3.9194965
8189	3.9132309	8229	3.9153471	8269	3.9174530	8309	3.9195488
8190	3.9132839	8230	3.9153998	8270	3.9175055	8310	3.9196010
8191	3.9133369	8231	3.9154526	8271	3.9175580	8311	3.9196533
8192	3.9133899	8232	3.9155054	8272	3.9176105	8312	3.9197055
8193	3.9134430	8233	3.9155581	8273	3.9176630	8313	3.9197578
8194	3.9134960	8234	3.9156109	8274	3.9177155	8314	3.9198100
8195	3.9135490	8235	3.9156636	8275	3.9177680	8315	3.9198623
8196	3.9136019	8236	3.9157163	8276	3.9178205	8316	3.9199145
8197	3.9136549	8237	3.9157691	8277	3.9178730	8317	3.9199667
8198	3.9137079	8238	3.9158218	8278	3.9179254	8318	3.9200189
8199	3.9137609	8239	3.9158745	8279	3.9179779	8319	3.9200711
8200	3.9138139	8240	3.9159272	8280	3.9180303	8320	3.9201233

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
8321	3.9201755	8361	3.9222582	8401	3.9243310	8441	3.9263939
8322	3.9202277	8362	3.9223102	8402	3.9243827	8442	3.9264453
8323	3.9202799	8363	3.9223621	8403	3.9244344	8443	3.9264968
8324	3.9203321	8364	3.9224140	8404	3.9244860	8444	3.9265482
8325	3.9203842	8365	3.9224659	8405	3.9245377	8445	3.9265997
8326	3.9204364	8366	3.9225179	8406	3.9245894	8446	3.9266511
8327	3.9204886	8367	3.9225698	8407	3.9246410	8447	3.9267025
8328	3.9205407	8368	3.9226217	8408	3.9246927	8448	3.9267539
8329	3.9205929	8369	3.9226736	8409	3.9247444	8449	3.9268053
8330	3.9206450	8370	3.9227255	8410	3.9247960	8450	3.9268567
8331	3.9206971	8371	3.9227773	8411	3.9248476	8451	3.9269081
8332	3.9207493	8372	3.9228292	8412	3.9248993	8452	3.9269595
8333	3.9208014	8373	3.9228811	8413	3.9249509	8453	3.9270109
8334	3.9208535	8374	3.9229330	8414	3.9250025	8454	3.9270622
8335	3.9209056	8375	3.9229848	8415	3.9250541	8455	3.9271136
8336	3.9209577	8376	3.9230367	8416	3.9251057	8456	3.9271650
8337	3.9210098	8377	3.9230885	8417	3.9251573	8457	3.9272163
8338	3.9210619	8378	3.9231404	8418	3.9252089	8458	3.9272677
8339	3.9211140	8379	3.9231922	8419	3.9252605	8459	3.9273190
8340	3.9211661	8380	3.9232440	8420	3.9253121	8460	3.9273704
8341	3.9212181	8381	3.9232958	8421	3.9253637	8461	3.9274217
8342	3.9212702	8382	3.9233477	8422	3.9254152	8462	3.9274730
8343	3.9213222	8383	3.9233995	8423	3.9254668	8463	3.9275243
8344	3.9213743	8384	3.9234513	8424	3.9255184	8464	3.9275757
8345	3.9214263	8385	3.9235031	8425	3.9255699	8465	3.9276270
8346	3.9214784	8386	3.9235549	8426	3.9256215	8466	3.9276783
8347	3.9215304	8387	3.9236066	8427	3.9256730	8467	3.9277296
8348	3.9215824	8388	3.9236584	8428	3.9257245	8468	3.9277808
8349	3.9216345	8389	3.9237102	8429	3.9257761	8469	3.9278321
8350	3.9216865	8390	3.9237620	8430	3.9258276	8470	3.9278834
8351	3.9217385	8391	3.9238137	8431	3.9258791	8471	3.9279347
8352	3.9217905	8392	3.9238655	8432	3.9259306	8472	3.9279859
8353	3.9218425	8393	3.9239172	8433	3.9259821	8473	3.9280372
8354	3.9218945	8394	3.9239690	8434	3.9260336	8474	3.9280885
8355	3.9219465	8395	3.9240207	8435	3.9260851	8475	3.9281397
8356	3.9219984	8396	3.9240724	8436	3.9261366	8476	3.9281909
8357	3.9220504	8397	3.9241242	8437	3.9261880	8477	3.9282422
8358	3.9221024	8398	3.9241759	8438	3.9262395	8478	3.9282934
8359	3.9221543	8399	3.9242276	8439	3.9262910	8479	3.9283446
8360	3.9222063	8400	3.9242793	8440	3.9263424	8480	3.9283959

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
8481	3.9284471	8521	3.9304906	8561	3.9325245	8601	3.9345489
8482	3.9284983	8522	3.9305415	8562	3.9325752	8602	3.9345994
8483	3.9285495	8523	3.9305925	8563	3.9326259	8603	3.9346499
8484	3.9286007	8524	3.9306434	8564	3.9326767	8604	3.9347004
8485	3.9286518	8525	3.9306944	8565	3.9327274	8605	3.9347509
8486	3.9287030	8526	3.9307453	8566	3.9327781	8606	3.9348013
8487	3.9287542	8527	3.9307963	8567	3.9328288	8607	3.9348518
8488	3.9288054	8528	3.9308472	8568	3.9328795	8608	3.9349023
8489	3.9288565	8529	3.9308981	8569	3.9329301	8609	3.9349527
8490	3.9289077	8530	3.9309490	8570	3.9329808	8610	3.9350032
8491	3.9289588	8531	3.9309999	8571	3.9330315	8611	3.9350536
8492	3.9290100	8532	3.9310508	8572	3.9330822	8612	3.9351040
8493	3.9290611	8533	3.9311017	8573	3.9331328	8613	3.9351544
8494	3.9291123	8534	3.9311526	8574	3.9331835	8614	3.9352049
8495	3.9291634	8535	3.9312035	8575	3.9332341	8615	3.9352553
8496	3.9292145	8536	3.9312544	8576	3.9332848	8616	3.9353057
8497	3.9292656	8537	3.9313053	8577	3.9333354	8617	3.9353561
8498	3.9293167	8538	3.9313562	8578	3.9333860	8618	3.9354065
8499	3.9293678	8539	3.9314070	8579	3.9334367	8619	3.9354569
8500	3.9294189	8540	3.9314579	8580	3.9334873	8620	3.9355073
8501	3.9294700	8541	3.9315087	8581	3.9335379	8621	3.9355576
8502	3.9295211	8542	3.9315596	8582	3.9335885	8622	3.9356080
8503	3.9295722	8543	3.9316104	8583	3.9336391	8623	3.9356584
8504	3.9296233	8544	3.9316612	8584	3.9336897	8624	3.9357087
8505	3.9296743	8545	3.9317121	8585	3.9337403	8625	3.9357591
8506	3.9297254	8546	3.9317629	8586	3.9337909	8626	3.9358095
8507	3.9297764	8547	3.9318137	8587	3.9338415	8627	3.9358598
8508	3.9298275	8548	3.9318645	8588	3.9338920	8628	3.9359101
8509	3.9298785	8549	3.9319153	8589	3.9339426	8629	3.9359605
8510	3.9299296	8550	3.9319661	8590	3.9339932	8630	3.9360108
8511	3.9299806	8551	3.9320169	8591	3.9340437	8631	3.9360611
8512	3.9300316	8552	3.9320677	8592	3.9340943	8632	3.9361114
8513	3.9300826	8553	3.9321185	8593	3.9341448	8633	3.9361617
8514	3.9301336	8554	3.9321692	8594	3.9341953	8634	3.9362120
8515	3.9301847	8555	3.9322200	8595	3.9342459	8635	3.9362623
8516	3.9302357	8556	3.9322708	8596	3.9342964	8636	3.9363126
8517	3.9302866	8557	3.9323215	8597	3.9343469	8637	3.9363629
8518	3.9303376	8558	3.9323723	8598	3.9343974	8638	3.9364132
8519	3.9303886	8559	3.9324230	8599	3.9344479	8639	3.9364635
8520	3.9304396	8560	3.9324738	8600	3.9344985	8640	3.9365137

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
8641	3.9365640	8681	3.9385698	8721	3.9405663	8761	3.9425537
8642	3.9366143	8682	3.9386198	8722	3.9406161	8762	3.9426032
8643	3.9366645	8683	3.9386698	8723	3.9406659	8763	3.9426528
8644	3.9367148	8684	3.9387198	8724	3.9407157	8764	3.9427024
8645	3.9367650	8685	3.9387698	8725	3.9407654	8765	3.9427519
8646	3.9368152	8686	3.9388198	8726	3.9408152	8766	3.9428015
8647	3.9368655	8687	3.9388698	8727	3.9408650	8767	3.9428510
8648	3.9369157	8688	3.9389198	8728	3.9409147	8768	3.9429005
8649	3.9369659	8689	3.9389698	8729	3.9409645	8769	3.9429501
8650	3.9370161	8690	3.9390198	8730	3.9410142	8770	3.9429996
8651	3.9370663	8691	3.9390697	8731	3.9410640	8771	3.9430491
8652	3.9371165	8692	3.9391197	8732	3.9411137	8772	3.9430986
8653	3.9371667	8693	3.9391697	8733	3.9411635	8773	3.9431481
8654	3.9372169	8694	3.9392196	8734	3.9412132	8774	3.9431976
8655	3.9372671	8695	3.9392696	8735	3.9412629	8775	3.9432471
8656	3.9373172	8696	3.9393195	8736	3.9413126	8776	3.9432966
8657	3.9373674	8697	3.9393695	8737	3.9413623	8777	3.9433461
8658	3.9374176	8698	3.9394194	8738	3.9414120	8778	3.9433956
8659	3.9374677	8699	3.9394693	8739	3.9414617	8779	3.9434450
8660	3.9375179	8700	3.9395193	8740	3.9415114	8780	3.9434945
8661	3.9375680	8701	3.9395692	8741	3.9415611	8781	3.9435440
8662	3.9376182	8702	3.9396191	8742	3.9416108	8782	3.9435934
8663	3.9376683	8703	3.9396690	8743	3.9416605	8783	3.9436429
8664	3.9377184	8704	3.9397189	8744	3.9417101	8784	3.9436923
8665	3.9377686	8705	3.9397688	8745	3.9417598	8785	3.9437418
8666	3.9378187	8706	3.9398187	8746	3.9418095	8786	3.9437912
8667	3.9378688	8707	3.9398685	8747	3.9418591	8787	3.9438406
8668	3.9379189	8708	3.9399184	8748	3.9419088	8788	3.9438900
8669	3.9379690	8709	3.9399683	8749	3.9419584	8789	3.9439395
8670	3.9380191	8710	3.9400182	8750	3.9420081	8790	3.9439889
8671	3.9380692	8711	3.9400680	8751	3.9420577	8791	3.9440383
8672	3.9381193	8712	3.9401179	8752	3.9421073	8792	3.9440877
8673	3.9381693	8713	3.9401677	8753	3.9421569	8793	3.9441371
8674	3.9382194	8714	3.9402176	8754	3.9422065	8794	3.9441865
8675	3.9382695	8715	3.9402674	8755	3.9422562	8795	3.9442358
8676	3.9383195	8716	3.9403172	8756	3.9423058	8796	3.9442852
8677	3.9383696	8717	3.9403670	8757	3.9423553	8797	3.9443346
8678	3.9384196	8718	3.9404169	8758	3.9424049	8798	3.9443840
8679	3.9384697	8719	3.9404667	8759	3.9424545	8799	3.9444333
8680	3.9385197	8720	3.9405165	8760	3.9425041	8800	3.9444827

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
801	3.9445320	8841	3.9465014	8881	3.9484619	8921	3.9504135
802	3.9445614	8842	3.9465505	8882	3.9485108	8922	3.9504622
803	3.9446307	8843	3.9465996	8883	3.9485597	8923	3.9505109
804	3.9446800	8844	3.9466487	8884	3.9486085	8924	3.9505596
805	3.9447294	8845	3.9466978	8885	3.9486574	8925	3.9506082
806	3.9447787	8846	3.9467469	8886	3.9487063	8926	3.9506569
807	3.9448280	8847	3.9467960	8887	3.9487552	8927	3.9507055
808	3.9448773	8848	3.9468451	8888	3.9488040	8928	3.9507542
809	3.9449266	8849	3.9468942	8889	3.9488529	8929	3.9508028
810	3.9449759	8850	3.9469433	8890	3.9489018	8930	3.9508515
811	3.9450252	8851	3.9469923	8891	3.9489506	8931	3.9509001
812	3.9450745	8852	3.9470414	8892	3.9489995	8932	3.9509487
813	3.9451238	8853	3.9470905	8893	3.9490483	8933	3.9509973
814	3.9451730	8854	3.9471395	8894	3.9490971	8934	3.9510459
815	3.9452223	8855	3.9471886	8895	3.9491460	8935	3.9510946
816	3.9452716	8856	3.9472376	8896	3.9491948	8936	3.9511432
817	3.9453208	8857	3.9472866	8897	3.9492436	8937	3.9511918
818	3.9453701	8858	3.9473357	8898	3.9492924	8938	3.9512404
819	3.9454193	8859	3.9473847	8899	3.9493412	8939	3.9512889
820	3.9454686	8860	3.9474337	8900	3.9493900	8940	3.9513375
821	3.9455178	8861	3.9474827	8901	3.9494388	8941	3.9513861
822	3.9455671	8862	3.9475317	8902	3.9494876	8942	3.9514347
823	3.9456163	8863	3.9475807	8903	3.9495364	8943	3.9514832
824	3.9456655	8864	3.9476297	8904	3.9495852	8944	3.9515318
825	3.9457147	8865	3.9476787	8905	3.9496339	8945	3.9515803
826	3.9457639	8866	3.9477277	8906	3.9496827	8946	3.9516289
827	3.9458131	8867	3.9477767	8907	3.9497315	8947	3.9516774
828	3.9458623	8868	3.9478257	8908	3.9497802	8948	3.9517260
829	3.9459115	8869	3.9478747	8909	3.9498290	8949	3.9517745
830	3.9459607	8870	3.9479236	8910	3.9498777	8950	3.9518230
831	3.9460099	8871	3.9479726	8911	3.9499264	8951	3.9518716
832	3.9460591	8872	3.9480215	8912	3.9499752	8952	3.9519201
833	3.9461082	8873	3.9480705	8913	3.9500239	8953	3.9519686
834	3.9461574	8874	3.9481194	8914	3.9500726	8954	3.9520171
835	3.9462066	8875	3.9481684	8915	3.9501213	8955	3.9520656
836	3.9462557	8876	3.9482173	8916	3.9501701	8956	3.9521141
837	3.9463049	8877	3.9482662	8917	3.9502188	8957	3.9521626
838	3.9463540	8878	3.9483151	8918	3.9502675	8958	3.9522111
839	3.9464031	8879	3.9483641	8919	3.9503162	8952	3.9522595
840	3.9464523	8880	3.9484130	8920	3.9503649	8960	3.9523080

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
8961	3.9523565	9001	3.9542908	9041	3.9562165	9081	3.9581337
8962	3.9524049	9002	3.9543390	9042	3.9562645	9082	3.9581815
8963	3.9524534	9003	3.9543873	9043	3.9563125	9083	3.9582293
8964	3.9525018	9004	3.9544355	9044	3.9563606	9084	3.9582771
8965	3.9525503	9005	3.9544837	9045	3.9564086	9085	3.9583249
8966	3.9525987	9006	3.9545319	9046	3.9564566	9086	3.9583727
8967	3.9526472	9007	3.9545802	9047	3.9565046	9087	3.9584205
8968	3.9526956	9008	3.9546284	9048	3.9565526	9088	3.9584683
8969	3.9527440	9009	3.9546766	9049	3.9566006	9089	3.9585161
8970	3.9527924	9010	3.9547248	9050	3.9566486	9090	3.9585639
8971	3.9528409	9011	3.9547730	9051	3.9566966	9091	3.9586117
8972	3.9528893	9012	3.9548212	9052	3.9567445	9092	3.9586594
8973	3.9529377	9013	3.9548694	9053	3.9567925	9093	3.9587072
8974	3.9529861	9014	3.9549176	9054	3.9568405	9094	3.9587549
8975	3.9530345	9015	3.9549657	9055	3.9568885	9095	3.9588027
8976	3.9530828	9016	3.9550139	9056	3.9569364	9096	3.9588505
8977	3.9531312	9017	3.9550621	9057	3.9569844	9097	3.9588982
8978	3.9531796	9018	3.9551102	9058	3.9570323	9098	3.9589459
8979	3.9532280	9019	3.9551584	9059	3.9570803	9099	3.9589937
8980	3.9532763	9020	3.9552065	9060	3.9571282	9100	3.9590414
8981	3.9533247	9021	3.9552547	9061	3.9571761	9101	3.9590891
8982	3.9533731	9022	3.9553028	9062	3.9572241	9102	3.9591368
8983	3.9534214	9023	3.9553510	9063	3.9572720	9103	3.9591845
8984	3.9534697	9024	3.9553991	9064	3.9573199	9104	3.9592322
8985	3.9535181	9025	3.9554472	9065	3.9573678	9105	3.9592800
8986	3.9535664	9026	3.9554953	9066	3.9574157	9106	3.9593276
8987	3.9536147	9027	3.9555434	9067	3.9574636	9107	3.9593753
8988	3.9536631	9028	3.9555916	9068	3.9575115	9108	3.9594230
8989	3.9537114	9029	3.9556397	9069	3.9575594	9109	3.9594707
8990	3.9537597	9030	3.9556878	9070	3.9576073	9110	3.9595184
8991	3.9538080	9031	3.9557358	9071	3.9576552	9111	3.9595660
8992	3.9538563	9032	3.9557839	9072	3.9577030	9112	3.9596137
8993	3.9539046	9033	3.9558320	9073	3.9577509	9113	3.9596614
8994	3.9539529	9034	3.9558801	9074	3.9577988	9114	3.9597090
8995	3.9540012	9035	3.9559282	9075	3.9578466	9115	3.9597567
8996	3.9540494	9036	3.9559762	9076	3.9578945	9116	3.9598043
8997	3.9540977	9037	3.9560243	9077	3.9579423	9117	3.9598520
8998	3.9541460	9038	3.9560723	9078	3.9579902	9118	3.9598996
8999	3.9541943	9039	3.9561204	9079	3.9580380	9119	3.9599472
9000	3.9542425	9040	3.9561684	9080	3.9580858	9120	3.9599948

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
121	3.9600425	9161	3.9619429	9201	3.9638350	9241	3.9657190
122	3.9600901	9162	3.9619903	9202	3.9638822	9242	3.9657660
123	3.9601377	9163	3.9620377	9203	3.9639294	9243	3.9658130
124	3.9601853	9164	3.9620851	9204	3.9639766	9244	3.9658599
125	3.9602329	9165	3.9621325	9205	3.9640238	9245	3.9659069
126	3.9602805	9166	3.9621799	9206	3.9640710	9246	3.9659539
127	3.9603281	9167	3.9622272	9207	3.9641181	9247	3.9660009
128	3.9603756	9168	3.9622746	9208	3.9641653	9248	3.9660478
129	3.9604232	9169	3.9623220	9209	3.9642125	9249	3.9660948
130	3.9604708	9170	3.9623693	9210	3.9642596	9250	3.9661417
131	3.9605183	9171	3.9624167	9211	3.9643068	9251	3.9661887
132	3.9605659	9172	3.9624640	9212	3.9643539	9252	3.9662356
133	3.9606135	9173	3.9625114	9213	3.9644011	9258	3.9662826
134	3.9606610	9174	3.9625587	9214	3.9644482	9254	3.9663295
135	3.9607086	9175	3.9626061	9215	3.9644953	9255	3.9663764
136	3.9607561	9176	3.9626534	9216	3.9645425	9256	3.9664233
137	3.9608036	9177	3.9627007	9217	3.9645896	9257	3.9664703
138	3.9608512	9178	3.9627481	9218	3.9646367	9258	3.9665172
139	3.9608987	9179	3.9627954	9219	3.9646838	9259	3.9665641
140	3.9609462	9180	3.9628427	9220	3.9647309	9260	3.9666110
141	3.9609937	9181	3.9628900	9221	3.9647780	9261	3.9666579
142	3.9610412	9182	3.9629373	9222	3.9648251	9262	3.9667048
143	3.9610887	9183	3.9629846	9223	3.9648722	9263	3.9667517
144	3.9611362	9184	3.9630319	9224	3.9649193	9264	3.9667985
145	3.9611837	9185	3.9630792	9225	3.9649664	9265	3.9668454
146	3.9612312	9186	3.9631264	9226	3.9650135	9266	3.9668923
147	3.9612787	9187	3.9631737	9227	3.9650605	9267	3.9669392
148	3.9613262	9188	3.9632210	9228	3.9651076	9268	3.9669860
149	3.9613736	9189	3.9632683	9229	3.9651546	9269	3.9670329
150	3.9614211	9190	3.9633155	9230	3.9652017	9270	3.9670797
151	3.9614686	9191	3.9633628	9231	3.9652488	9271	3.9671266
152	3.9615160	9192	3.9634100	9232	3.9652958	9272	3.9671734
153	3.9615635	9193	3.9634573	9233	3.9653428	9273	3.9672203
154	3.9616109	9194	3.9635045	9234	3.9653899	9274	3.9672671
155	3.9616583	9195	3.9635517	9235	3.9654369	9275	3.9673139
156	3.9617058	9196	3.9635990	9236	3.9654839	9276	3.9673607
157	3.9617532	9197	3.9636462	9237	3.9655309	9277	3.9674076
158	3.9618006	9198	3.9636934	9238	3.9655780	9278	3.9674544
159	3.9618481	9199	3.9637406	9239	3.9656250	9279	3.9675012
160	3.9618955	9200	3.9637878	9240	3.9656720	9280	3.9675480

N.	Logarith.	N.	Logarith.	N.	Logarith.	N.	Logarith.
9281	3.9675948	9321	3.9694625	9361	3.9713222	9401	3.9731741
9282	3.9676416	9322	3.9695091	9362	3.9713686	9402	3.9732202
9283	3.9676884	9323	3.9695557	9363	3.9714150	9403	3.9732664
9284	3.9677351	9324	3.9696023	9364	3.9714614	9404	3.9733126
9285	3.9677819	9325	3.9696488	9365	3.9715078	9405	3.9733588
9286	3.9678287	9326	3.9696954	9366	3.9715542	9406	3.9734050
9287	3.9678754	9327	3.9697420	9367	3.9716005	9407	3.9734511
9288	3.9679222	9328	3.9697885	9368	3.9716469	9408	3.9734973
9289	3.9679690	9329	3.9698351	9369	3.9716932	9409	3.9735435
9290	3.9680157	9330	3.9698816	9370	3.9717396	9410	3.9735896
9291	3.9680625	9331	3.9699282	9371	3.9717859	9411	3.9736358
9292	3.9681092	9332	3.9699747	9372	3.9718323	9412	3.9736819
9293	3.9681559	9333	3.9700213	9373	3.9718786	9413	3.9737281
9294	3.9682027	9334	3.9700678	9374	3.9719249	9414	3.9737742
9295	3.9682494	9335	3.9701143	9375	3.9719713	9415	3.9738203
9296	3.9682961	9336	3.9701608	9376	3.9720176	9416	3.9738664
9297	3.9683428	9337	3.9702074	9377	3.9720639	9417	3.9739126
9298	3.9683895	9338	3.9702539	9378	3.9721102	9418	3.9739587
9299	3.9684362	9339	3.9703004	9379	3.9721565	9419	3.9740048
9300	3.9684829	9340	3.9703469	9380	3.9722028	9420	3.9740509
9301	3.9685296	9341	3.9703934	9381	3.9722491	9421	3.9740970
9302	3.9685763	9342	3.9704399	9382	3.9722954	9422	3.9741431
9303	3.9686230	9343	3.9704863	9383	3.9723417	9423	3.9741892
9304	3.9686697	9344	3.9705328	9384	3.9723880	9424	3.9742353
9305	3.9687164	9345	3.9705793	9385	3.9724343	9425	3.9742814
9306	3.9687630	9346	3.9706258	9386	3.9724805	9426	3.9743274
9307	3.9688097	9347	3.9706722	9387	3.9725268	9427	3.9743735
9308	3.9688564	9348	3.9707187	9388	3.9725731	9428	3.9744196
9309	3.9689030	9349	3.9707652	9389	3.9726193	9429	3.9744656
9310	3.9689497	9350	3.9708116	9390	3.9726656	9430	3.9745117
9311	3.9689963	9351	3.9708581	9391	3.9727118	9431	3.9745577
9312	3.9690430	9352	3.9709045	9392	3.9727581	9432	3.9746038
9313	3.9690896	9353	3.9709509	9393	3.9728043	9433	3.9746498
9314	3.9691362	9354	3.9709974	9394	3.9728506	9434	3.9746959
9315	3.9691829	9355	3.9710438	9395	3.9728968	9435	3.9747419
9316	3.9692295	9356	3.9710902	9396	3.9729430	9436	3.9747879
9317	3.9692761	9357	3.9711366	9397	3.9729892	9437	3.9748340
9318	3.9693227	9358	3.9711830	9398	3.9730354	9438	3.9748800
9319	3.9693693	9359	3.9712294	9399	3.9730816	9439	3.9749260
9320	3.9694159	9360	3.9712758	9400	3.9731279	9440	3.9749720

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9441	3.9750180	9481	3.9768541	9521	3.9786826	9561	3.9805033
9442	3.9750640	9482	3.9769000	9522	3.9787282	9562	3.9805487
9443	3.9751100	9483	3.9769458	9523	3.9787738	9563	3.9805942
9444	3.9751560	9484	3.9769915	9524	3.9788194	9564	3.9806396
9445	3.9752020	9485	3.9770373	9525	3.9788650	9565	3.9806850
9446	3.9752479	9486	3.9770831	9526	3.9789106	9566	3.9807304
9447	3.9752939	9487	3.9771289	9527	3.9789562	9567	3.9807758
9448	3.9753399	9488	3.9771747	9528	3.9790017	9568	3.9808212
9449	3.9753858	9489	3.9772204	9529	3.9790473	9569	3.9808666
9450	3.9754318	9490	3.9772662	9530	3.9790929	9570	3.9809119
9451	3.9754778	9491	3.9773120	9531	3.9791385	9571	3.9809573
9452	3.9755237	9492	3.9773577	9532	3.9791840	9572	3.9810027
9453	3.9755697	9493	3.9774035	9533	3.9792296	9573	3.9810481
9454	3.9756156	9494	3.9774492	9534	3.9792751	9574	3.9810934
9455	3.9756615	9495	3.9774950	9535	3.9793207	9575	3.9811388
9456	3.9757075	9496	3.9775407	9536	3.9793662	9576	3.9811841
9457	3.9757534	9497	3.9775864	9537	3.9794118	9577	3.9812295
9458	3.9757993	9498	3.9776322	9538	3.9794573	9578	3.9812748
9459	3.9758452	9499	3.9776779	9539	3.9795028	9579	3.9813202
9460	3.9758911	9500	3.9777236	9540	3.9795484	9580	3.9813655
9461	3.9759370	9501	3.9777693	9541	3.9795939	9581	3.9814108
9462	3.9759829	9502	3.9778150	9542	3.9796394	9582	3.9814562
9463	3.9760288	9503	3.9778607	9543	3.9796849	9583	3.9815015
9464	3.9760747	9504	3.9779064	9544	3.9797304	9584	3.9815468
9465	3.9761206	9505	3.9779521	9545	3.9797759	9585	3.9815921
9466	3.9761665	9506	3.9779978	9546	3.9798214	9586	3.9816374
9467	3.9762124	9507	3.9780435	9547	3.9798669	9587	3.9816827
9468	3.9762582	9508	3.9780892	9548	3.9799124	9588	3.9817280
9469	3.9763041	9509	3.9781348	9549	3.9799579	9589	3.9817733
9470	3.9763500	9510	3.9781805	9550	3.9800034	9590	3.9818186
9471	3.9763958	9511	3.9782262	9551	3.9800488	9591	3.9818639
9472	3.9764417	9512	3.9782718	9552	3.9800943	9592	3.9819092
9473	3.9764875	9513	3.9783175	9553	3.9801398	9593	3.9819544
9474	3.9765334	9514	3.9783631	9554	3.9801852	9594	3.9819997
9475	3.9765792	9515	3.9784088	9555	3.9802307	9595	3.9820450
9476	3.9766251	9516	3.9784544	9556	3.9802761	9596	3.9820902
9477	3.9766709	9517	3.9785001	9557	3.9803216	9597	3.9821355
9478	3.9767167	9518	3.9785457	9558	3.9803670	9598	3.9821807
9479	3.9767625	9519	3.9785913	9559	3.9804125	9599	3.9822260
9480	3.9768083	9520	3.9786369	9560	3.9804579	9600	3.9822712

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9601	3.9823165	9641	3.9841221	9681	3.9859202	9721	3.9877109
9602	3.9823617	9642	3.9841671	9682	3.9859651	9722	3.9877556
9603	3.9824069	9643	3.9842122	9683	3.9860099	9723	3.9878003
9604	3.9824522	9644	3.9842572	9684	3.9860548	9724	3.9878450
9605	3.9824974	9645	3.9843022	9685	3.9860996	9725	3.9878896
9606	3.9825426	9646	3.9843473	9686	3.9861445	9726	3.9879343
9607	3.9825878	9647	3.9843923	9687	3.9861893	9727	3.9879789
9608	3.9826330	9648	3.9844373	9688	3.9862341	9728	3.9880236
9609	3.9826782	9649	3.9844823	9689	3.9862790	9729	3.9880682
9610	3.9827234	9650	3.9845273	9690	3.9863238	9730	3.9881128
9611	3.9827686	9651	3.9845723	9691	3.9863686	9731	3.9881575
9612	3.9828138	9652	3.9846173	9692	3.9864134	9732	3.9882021
9613	3.9828589	9653	3.9846623	9693	3.9864582	9733	3.9882467
9614	3.9829041	9654	3.9847073	9694	3.9865030	9734	3.9882913
9615	3.9829493	9655	3.9847523	9695	3.9865478	9735	3.9883360
9616	3.9829945	9656	3.9847973	9696	3.9865926	9736	3.9883806
9617	3.9830396	9657	3.9848422	9697	3.9866374	9737	3.9884252
9618	3.9830848	9658	3.9848872	9698	3.9866822	9738	3.9884698
9619	3.9831299	9659	3.9849322	9699	3.9867270	9739	3.9885144
9620	3.9831751	9660	3.9849771	9700	3.9867717	9740	3.9885590
9621	3.9832202	9661	3.9850221	9701	3.9868165	9741	3.9886035
9622	3.9832654	9662	3.9850670	9702	3.9868613	9742	3.9886481
9623	3.9833105	9663	3.9851120	9703	3.9869060	9743	3.9886927
9624	3.9833556	9664	3.9851569	9704	3.9869508	9744	3.9887373
9625	3.9834007	9665	3.9852019	9705	3.9869955	9745	3.9887818
9626	3.9834459	9666	3.9852468	9706	3.9870403	9746	3.9888264
9627	3.9834910	9667	3.9852917	9707	3.9870850	9747	3.9888710
9628	3.9835361	9668	3.9853366	9708	3.9871298	9748	3.9889155
9629	3.9835812	9669	3.9853816	9709	3.9871745	9749	3.9889601
9630	3.9836263	9670	3.9854265	9710	3.9872192	9750	3.9890046
9631	3.9836714	9671	3.9854714	9711	3.9872640	9751	3.9890492
9632	3.9837165	9672	3.9855163	9712	3.9873087	9752	3.9890937
9633	3.9837616	9673	3.9855612	9713	3.9873534	9753	3.9891382
9634	3.9838066	9674	3.9856061	9714	3.9873981	9754	3.9891828
9635	3.9838517	9675	3.9856510	9715	3.9874428	9755	3.9892273
9636	3.9838968	9676	3.9856959	9716	3.9874875	9756	3.9892718
9637	3.9839419	9677	3.9857407	9717	3.9875322	9757	3.9893163
9638	3.9839869	9678	3.9857856	9718	3.9875769	9758	3.9893608
9639	3.9840320	9679	3.9858305	9719	3.9876216	9759	3.9894053
9640	3.9840770	9680	3.9858754	9720	3.9876663	9760	3.9894498

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9761	3.9894943	9801	3.9912704	9841	3.9930392	9881	3.9948009
9762	3.9895388	9802	3.9913147	9842	3.9930834	9882	3.9948448
9763	3.9895833	9803	3.9913590	9843	3.9931275	9883	3.9948888
9764	3.9896278	9804	3.9914033	9844	3.9931716	9884	3.9949327
9765	3.9896722	9805	3.9914476	9845	3.9932157	9885	3.9949767
9766	3.9897167	9806	3.9914919	9846	3.9932598	9886	3.9950206
9767	3.9897612	9807	3.9915362	9847	3.9933039	9887	3.9950645
9768	3.9898057	9808	3.9915805	9848	3.9933480	9888	3.9951085
9769	3.9898501	9809	3.9916247	9849	3.9933921	9889	3.9951524
9770	3.9898946	9810	3.9916690	9850	3.9934362	9890	3.9951963
9771	3.9899390	9811	3.9917133	9851	3.9934803	9891	3.9952402
9772	3.9899835	9812	3.9917575	9852	3.9935244	9892	3.9952841
9773	3.9900279	9813	3.9918018	9853	3.9935685	9893	3.9953280
9774	3.9900723	9814	3.9918461	9854	3.9936126	9894	3.9953719
9775	3.9901168	9815	3.9918903	9855	3.9936566	9895	3.9954158
9776	3.9901612	9816	3.9919345	9856	3.9937007	9896	3.9954597
9777	3.9902056	9817	3.9919788	9857	3.9937448	9897	3.9955036
9778	3.9902500	9818	3.9920230	9858	3.9937888	9898	3.9955474
9779	3.9902944	9819	3.9920673	9859	3.9938329	9899	3.9955913
9780	3.9903389	9820	3.9921115	9860	3.9938769	9900	3.9956352
9781	3.9903833	9821	3.9921557	9861	3.9939210	9901	3.9956791
9782	3.9904277	9822	3.9921999	9862	3.9939650	9902	3.9957229
9783	3.9904721	9823	3.9922441	9863	3.9940090	9903	3.9957668
9784	3.9905164	9824	3.9922884	9864	3.9940531	9904	3.9958106
9785	3.9905608	9825	3.9923326	9865	3.9940971	9905	3.9958545
9786	3.9906052	9826	3.9923768	9866	3.9941411	9906	3.9958983
9787	3.9906496	9827	3.9924210	9867	3.9941851	9907	3.9959422
9788	3.9906940	9828	3.9924651	9868	3.9942291	9908	3.9959860
9789	3.9907383	9829	3.9925093	9869	3.9942731	9909	3.9960298
9790	3.9907827	9830	3.9925535	9870	3.9943172	9910	3.9960737
9791	3.9908271	9831	3.9925977	9871	3.9943612	9911	3.9961175
9792	3.9908714	9832	3.9926419	9872	3.9944051	9912	3.9961613
9793	3.9909158	9833	3.9926860	9873	3.9944491	9913	3.9962051
9794	3.9909601	9834	3.9927302	9874	3.9944931	9914	3.9962489
9795	3.9910044	9835	3.9927744	9875	3.9945371	9915	3.9962927
9796	3.9910488	9836	3.9928185	9876	3.9945811	9916	3.9963365
9797	3.9910931	9837	3.9928627	9877	3.9946251	9917	3.9963803
9798	3.9911374	9838	3.9929068	9878	3.9946690	9918	3.9964241
9799	3.9911818	9839	3.9929510	9879	3.9947130	9919	3.9964679
9800	3.9912261	9840	3.9929951	9880	3.9947569	9920	3.9965117

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9921	3.9965554	9961	3.9983029	10001	4.0000434	10041	4.0017770
9922	3.9965992	9962	3.9983465	10002	4.0000868	10042	4.0018202
9923	3.9966430	9963	3.9983901	10003	4.0001303	10043	4.0018635
9924	3.9966868	9964	3.9984337	10004	4.0001737	10044	4.0019067
9925	3.9967305	9965	3.9984773	10005	4.0002171	10045	4.0019499
9926	3.9967743	9966	3.9985209	10006	4.0002605	10046	4.0019932
9927	3.9968180	9967	3.9985645	10007	4.0003039	10047	4.0020364
9928	3.9968618	9968	3.9986080	10008	4.0003473	10948	4.0020796
9929	3.9969055	9969	3.9986516	10009	4.0003907	10049	4.0021228
9930	3.9969492	9970	3.9986952	10010	4.0004341	10050	4.0021661
9931	3.9969930	9971	3.9987387	10011	4.0004775	10051	4.0022093
9932	3.9970367	9972	3.9987823	10012	4.0005208	10052	4.0022525
9933	3.9970804	9973	3.9988258	10013	4.0005642	10053	4.0022957
9934	3.9971242	9974	3.9988694	10014	4.0006076	10054	4.0023389
9935	3.9971679	9975	3.9989129	10015	4.0006509	10055	4.0023821
9936	3.9972116	9976	3.9989564	10016	4.0006943	10056	4.0024253
9937	3.9972553	9977	3.9990000	10017	4.0007377	10057	4.0024684
9938	3.9972990	9978	3.9990435	10018	4.0007810	10058	4.0025116
9939	3.9973427	9979	3.9990870	10019	4.0008244	10059	4.0025548
9940	3.9973864	9980	3.9991305	10020	4.0008677	10060	4.0025980
9941	3.9974301	9981	3.9991741	10021	4.0009111	10061	4.0026411
9942	3.9974738	9982	3.9992176	10022	4.0009544	10062	4.0026843
9943	3.9975174	9983	3.9992611	10023	4.0009977	10063	4.0027275
9944	3.9975611	9984	3.9993046	10024	4.0010411	10064	4.0027706
9945	3.9976048	9985	3.9993481	10025	4.0010844	10065	4.0028138
9946	3.9976485	9986	3.9993916	10026	4.0011277	10066	4.0028569
9947	3.9976921	9987	3.9994350	10027	4.0011710	10067	4.0029001
9948	3.9977358	9988	3.9994785	10028	4.0012143	10068	4.0029432
9949	3.9977794	9989	3.9995220	10029	4.0012576	10069	4.0029863
9950	3.9978231	9990	3.9995655	10030	4.0013009	10070	4.0030295
9951	3.9978667	9991	3.9996090	10031	4.0013442	10071	4.0030726
9952	3.9979104	9992	3.9996524	10032	4.0013875	10072	4.0031157
9953	3.9979540	9993	3.9996959	10033	4.0014308	10073	4.0031588
9954	3.9979976	9994	3.9997393	10034	4.0014741	10074	4.0032019
9955	3.9980413	9995	3.9997828	10035	4.0015174	10075	4.0032450
9956	3.9980849	9996	3.9998262	10036	4.0015606	10076	4.0032882
9957	3.9981285	9997	3.9998697	10037	4.0016039	10077	4.0033313
9958	3.9981721	9998	3.9999131	10038	4.0016472	10078	4.0033743
9959	3.9982157	9999	3.9999566	10039	4.0016904	10079	4.0034174
9960	3.9982593	10000	4.0000000	10040	4.0017337	10080	4.0034605

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10081	4.0035036	10121	4.0052234	10161	4.0069364	10201	4.0086427
10082	4.0035467	10122	4.0052663	10162	4.0069792	10202	4.0086853
10083	4.0035898	10123	4.0053092	10163	4.0070219	10203	4.0087279
10084	4.0036328	10124	4.0053521	10164	4.0070647	10204	4.0087704
10085	4.0036759	10125	4.0053950	10165	4.0071074	10205	4.0088130
10086	4.0037190	10126	4.0054379	10166	4.0071501	10206	4.0088556
10087	4.0037620	10127	4.0054808	10167	4.0071928	10207	4.0088981
10088	4.0038051	10128	4.0055237	10168	4.0072355	10208	4.0089407
10089	4.0038481	10129	4.0055666	10169	4.0072782	10209	4.0089832
10090	4.0038912	10130	4.0056094	10170	4.0073209	10210	4.0090257
10091	4.0039342	10131	4.0056523	10171	4.0073636	10211	4.0090683
10092	4.0039772	10132	4.0056952	10172	4.0074063	10212	4.0091108
10093	4.0040203	10133	4.0057380	10173	4.0074490	10213	4.0091533
10094	4.0040633	10134	4.0057809	10174	4.0074917	10214	4.0091958
10095	4.0041063	10135	4.0058237	10175	4.0075344	10215	4.0092384
10096	4.0041493	10136	4.0058666	10176	4.0075771	10216	4.0092809
10097	4.0041924	10137	4.0059094	10177	4.0076198	10217	4.0093234
10098	4.0042354	10138	4.0059523	10178	4.0076624	10218	4.0093659
10099	4.0042784	10139	4.0059951	10179	4.0077051	10219	4.0094084
10100	4.0043214	10140	4.0060380	10180	4.0077478	10220	4.0094509
10101	4.0043644	10141	4.0060808	10181	4.0077904	10221	4.0094934
10102	4.0044074	10142	4.0061236	10182	4.0078331	10222	4.0095359
10103	4.0044503	10143	4.0061664	10183	4.0078757	10223	4.0095784
10104	4.0044933	10144	4.0062092	10184	4.0079184	10224	4.0096208
10105	4.0045363	10145	4.0062520	10185	4.0079610	10225	4.0096633
10106	4.0045793	10146	4.0062949	10186	4.0080037	10226	4.0097058
10107	4.0046223	10147	4.0063377	10187	4.0080463	10227	4.0097483
10108	4.0046652	10148	4.0063805	10188	4.0080889	10228	4.0097907
10109	4.0047082	10149	4.0064232	10189	4.0081316	10229	4.0098332
10110	4.0047512	10150	4.0064660	10190	4.0081742	10230	4.0098756
10111	4.0047941	10151	4.0065088	10191	4.0082168	10231	4.0099181
10112	4.0048371	10152	4.0065516	10192	4.0082594	10232	4.0099605
10113	4.0048800	10153	4.0065944	10193	4.0083020	10233	4.0100030
10114	4.0049229	10154	4.0066372	10194	4.0083446	10234	4.0100454
10115	4.0049659	10155	4.0066799	10195	4.0083872	10235	4.0100878
10116	4.0050088	10156	4.0067227	10196	4.0084298	10236	4.0101303
10117	4.0050517	10157	4.0067654	10197	4.0084724	10237	4.0101727
10118	4.0050947	10158	4.0068082	10198	4.0085150	10238	4.0102151
10119	4.0051376	10159	4.0068510	10199	4.0085576	10239	4.0102575
10120	4.0051805	10160	4.0068937	10200	4.0086002	10240	4.0103000

Breve explicacion del uso mas comun de estas tablas.

Hallar el seno tangente ó secante de qualquier número de grados y minutos.

Para hallar el seno tangente ó secante de un arco ú ángulo agudo, no hay mas que buscar en lo alto de dichas tablas el número de grados, y en la coluna primera ó quinta los minutos, y en la línea de los minutos, se hallará el seno tangente ó secante que se pide, segun lo indica la cabeza de dichas colunas.

Si el seno tangente ó secante que se pide es de un arco ú ángulo obtuso, primeramente se restará dicho arco ú ángulo de 180.°, y á su residuo se le buscará el seno tangente ó secante, y este será el que corresponde al arco ú ángulo obtuso que se pide.

Exemplos.

Se pide el seno tangente y secante del arco ú ángulo agudo 23.° 17^m *y el del arco ú ángulo obtuso* 118.° 22^m

El seno de 23.° 17^m es 9.5969030, la tangente es 9.6337948, y su secante es 10.0368918.

El seno 118.° 22^m es 9.9444457, la tangente es 10.2676494, y su secante es 10.3232037.

Hallar el coseno cotangente ó cosecante de qualquier número de grados y minutos.

Para hallar el coseno cotangente ó cosecante de un arco ú ángulo agudo, primeramente se restarán los grados y minutos del arco ú ángulo propuesto, de 90.°, y á su residuo se le buscará el seno tangente ó secante, y este será el que corresponde al coseno cotangente ó cosecante del arco ú ángulo agudo que se pide.

Si el coseno cotangente ó cosecante es de un arco ú ángulo obtuso, se restará dicho arco ú ángulo de 90.°, y á su residuo se le buscará el seno tangente ó secante, y este será el coseno cotangente ó cosecante del arco ú ángulo obtuso que se pide.

Exemplos.

Se pide el coseno cotangente y cosecante del arco ú ángulo agudo 67.° 46^m, *y el del arco ú ángulo obtuso* 143.° 9^m

El coseno de 67.° 46^m es 9.5779275, la cotangente es 9.6114804, y su cosecante es 10.0335529.

El coseno de 143.° 9^m es 9.9032031, la cotangente es 10.1252530, y su cosecante es 10.2220499.

Dado un seno tangente ó secante, hallar aproxîmadamente el grado y minuto que le corresponde.

Para hallar á que grado y minuto corresponde un seno tangente ó secante agudo, se buscará en dichas tablas el seno tangente y secante, que se aproxîme mas al propuesto, y el grado y minuto que se hallare en la cabeza é izquierda de su logarithmo, será aproxîmadamente su valor; pero, si el seno tangente ó secante fuese de un arco ú ángulo obtuso, el grado y minuto hallado se restará de 180.°, y el residuo será su valor.

Para hallar á que grado y minuto corresponde un coseno cotangente ó cosecante de un arco ú ángulo agudo, se buscará en las referidas tablas el seno tangente ó secante que se aproxîme mas al propuesto, y el grado y minuto que se hallare en la cabeza é izquierda de su logarithmo se restará de 90.°, y el residuo será el grado y minuto que corresponde al coseno cotangente ó cosecante del arco ú ángulo agudo que se pide: pero, si el coseno cotangente ó cosecante corresponde á un arco ú ángulo obtuso, el grado y minuto que se hallare se sumará con 90.° y la suma será el grado y minuto que corresponde al coseno cotangente ó cosecante del arco ú ángulo obtuso que se pide.

Comprobacion de las tablas de senos tangentes y secantes.

Para comprobar las referidas tablas, se tendrá presente, que la suma del logarithmo seno de qualquier arco ú ángulo, con el de su cosecante; y la suma del logarithmo coseno de qualquier arco ú ángulo, con el de su secante; y la suma del logarithmo tangente de qualquier arco ú ángulo, con el de su cotangente, son siempre iguales al duplo radio; esto es, igual 20.0000000, y con este artificio se podrán comprobar dichas tablas.

Hallar el logarithmo que corresponde á qualquier número propuesto.

Para hallar el logarithmo de un número propuesto en enteros; si el tal número es menor que 10240, no hay mas que buscar en sus tablas el número dado en la coluna N, y á la derecha de dicho número se hallará el logarithmo que se pide.

Exemplos.

Se pide el logarithmo de los números 73. 5827 y 10136.

El logarithmo de 73. es 1.8633229; el de 5827. es 3.7654450; y el de 10136. es 4.0058666.

Hallar el logarithmo que corresponde á un número compuesto de enteros y decimales.

Para hallar el logarithmo de un número compuesto de enteros y decimales, como el número no exceda de 1023' 9, se buscará el logarithmo del número propuesto como si no hubiere decimales, del mismo modo como si todo el número propuesto fuese de enteros, y de dicho logarithmo se quitarán de su ca-

racterística tantas unidades como cifras decimales tiene el número propuesto, y este será el logarithmo de los enteros y decimales que se pide.

Exemplos.

Se pide el logarithmo de los números 78' 6, 395' 8, 47' 37, *y* 102'39.

El logarithmo de 78' 6, es 1.8954225; el de 395' 8, es 2.5974758; el de 47' 37, es 1.6755034, y el de 102' 39, es 2.0102575.

Hallar el logarithmo de un número que no se halla en las tablas.

Para hallar el logarithmo de un número que no se halla en las tablas, se separarán de la derecha del número propuesto tantas cifras para decimales, quantas sean menester paraque el número de enteros que queda, se halle en las tablas; entonces se buscará un logarithmo próxîmo menor, y otro próxîmo mayor al propuesto de enteros; se restará el logarithmo próxîmo menor del mayor, y el residuo se multiplicará por las unidades que componen las decimales, que se han separado, y el producto se partirá por el denominador correspondiente à dichas decimales; y el quociente se sumará con el logarithmo proxîmo menor, y la suma será el logarithmo que se pide, añadiendo à su característica tantas unidades como cifras decimales se separaron del número propuesto.

Dado un logarithmo menor que el mayor de las tablas, hallar el número que le corresponde en enteros.

Si dado un logarithmo, se quiere hallar el número que le corresponde; se buscará en las tablas el logarithmo que se acerque mas al propuesto, y à su izquierda, se hallará el número que proxîmamente le corresponde.

Si el logarithmo propuesto, se quiere saber à que número corresponde en enteros y decimales, se buscará en las referidas tablas la mantisa mas proxîma menor á la del logarithmo propuesto, sin atender à su característica, y el número que se hallare à la izquierda de la mantisa mas proxîma menor à la propuesta, será el que se pide, despues de haber separado de la derecha del referido número tantas decimales, como unidades excede la característica de las tablas à la del logarithmo propuesto.

Dado un logarithmo que no se halla en las tablas, hallar el número en enteros que le corresponde.

Para hallar el número en enteros que corresponde à un logarithmo, que no se halla en las tablas, se buscará en ellas una mantisa proxîma menor y otra proxîma mayor à la propuesta, y se restará una de otra; restase tambien la mantisa proxîma menor de la propuesta, y digase: la diferencia de la mantisa proxîma menor à la mayor, es à la diferencia de la mantisa proxîma menor à la propuesta, como 10, (si la diferencia de las características propuesta y menor, es 1; 100, si es dicha diferencia 2; 1000, si es 3; 10000 si es 4 &c.) es à un quarto proporcional: dicho quarto proporcional, se pondrá à mano derecha del número que corresponde al logarithmo proxîmo menor, y resultará un número en enteros que será el que corresponde al logarithmo propuesto que se pide.